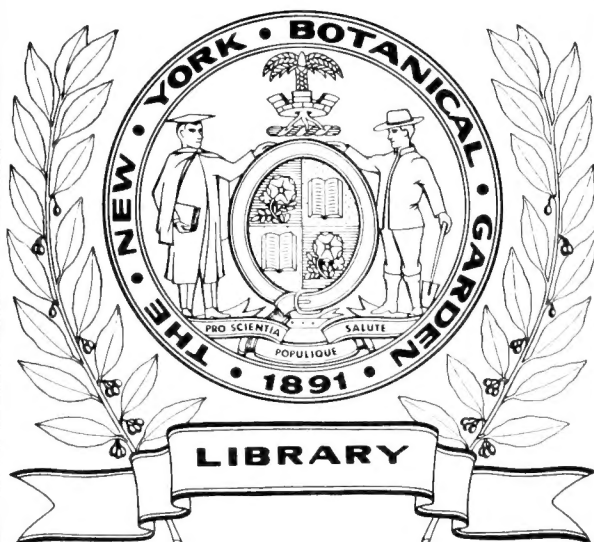


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vol. 16
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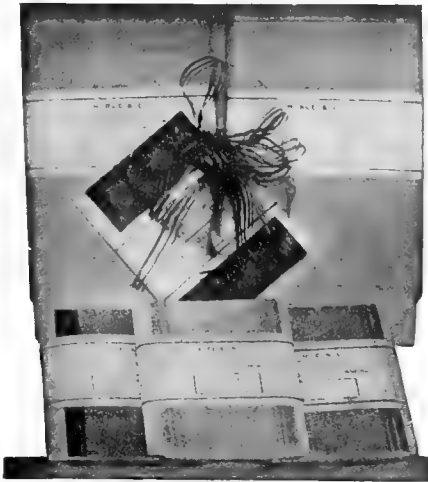


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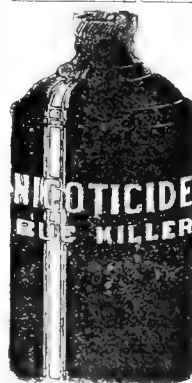
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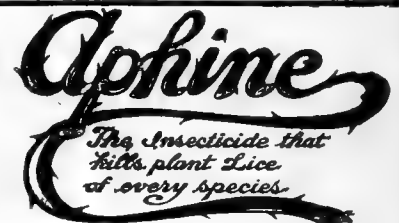
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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Asparagus plumosus

Where you mean to renew any of your beds do not lose any time in getting them planted. They always do better planted in solid beds. Give them a very rich compost, a foot deep. Equal parts of turfy loam and cow manure will not be a bit too rich, as they are very greedy feeders. See that they have plenty of headroom so you can cut long strings and give them enough of room between the plants, as it pays in the end. Plants that have been growing along without a check and are now in 4-inch pots will make good stock to plant out. They can be set from 15 to 18 inches apart between the rows and from 12 to 15 inches in the rows. Give regular attention in watering and syringing. Place strings just as soon as they assume the character of running. Give your old established beds a rich mulch about 4 inches deep, with an occasional dose of liquid manure.

Care of Asters

To ensure a good crop of flowers asters will require large quantities of water at the roots during any dry spell. When you see the buds beginning to form devise some means for getting the hose at them, for we are very liable to have a prolonged drought as these plants are coming into flower. Give your later asters a good dusting of some high-grade fertilizer sown between the rows, which will assist them materially. See that they have frequent cultivation to keep them free of weeds and the soil open and loose. Where the aster beetle is troublesome syringe the plants with a teaspoonful of paris green to a pail of water. This can be repeated every ten days until they come into flower.

Housing Carnations

All good growers consider from now and up until the middle of August the best time to house carnations. Any time later than this is bound to be a loss in the crop of flowers. Give your houses a thorough cleaning and make provision for whitewashing the inside of all benches, as lime is a germ destroyer and also helps to preserve the wood. The first thing to do is to shade the house with some material that will come off easily in about ten days. When lifting the plants from the field see that they are protected from the sun and drying winds by covering them up closely with something until they are planted. Where you have plenty of good plants select the best and most shapely. Make a hole just large enough to hold the roots nicely and bear in mind it is always better to set the plants a little higher than they were in the field as they are not so liable to have stem rot. Give every plant a good firming as they always start off better and in the long run will give better results. When you have part of a bench planted it is well to give them a good soaking around the ball so they will not have time to flag. After the house is planted keep them a little closer for about ten days and give them a spraying two or three times a day. After this give plenty of ventilation both night and day.

This is the proper time to think about planting this

Mignonette for Winter

highly appreciated winter plant. Where it is possible give them solid benches but where this is not possible they should have at least from 10 to 12 inches of soil to grow on. Make the compost good and rich as they require lots of food. The best soil to use is one that was taken from an old pasture last fall and piled up over the winter; to two loads of this use one load of cow manure and a good sprinkling of bone meal and turn this over two or three times so they will be well mixed. When the benches are filled make the surface nice and fine for the seed. They should stand about 12 inches apart each way. The best way is to draw lines lengthwise and crosswise and the seed can be sown where the lines meet, using four to six seed at every junction. Cover the seed lightly and water with a fine rose until the soil around the seed is well moistened. To prevent the soil from drying out they can be covered with 4-inch pots until they begin to come up. When the plants are showing their second pair of leaves, thin to two plants and when they are good and strong they can be thinned to one. Stir the surface of the soil regularly and keep on plenty of ventilation for it is a necessity in securing short-jointed growth.

Nepenthes

Where these become too large and unsightly they can be cut down and one or two-eye cuttings made of the pieces of the stems. The best way to propagate these is to place the end in the hole of the pot and fill the pot with sphagnum moss and plunge the pots in a frame where they can be kept close and moist. Sometimes it takes them three or four months to root. When they are well rooted the pots can be broken and the plants put in a crib with a mixture of fibrous peat and chopped sphagnum. They should be hung up in a warm house where the atmosphere is kept reeking with moisture.

Stocks for Winter Flowering

These plants that were sown the last of May should be kept growing by potting them up as they require it until a five-inch pot is reached. Give them a rich compost; say to three loads of turfy loam add one load of well decayed manure. It is better to pot them when quite small. A 2 or 2½-inch pot is a good size to use and as these become filled with roots they can be shifted into 4 or 5-inch pots. The best place to care for these plants through the summer is in a frame where the sashes are elevated 6 to 8 inches, which will afford at all times a free circulation of air. In this abode they will do fine until very late in the fall. It is a good plan to wait until the buds can be distinguished before they are planted out, for you can then tell the double flowered ones by their stubby buds. The single ones can be known by being more pointed. When planting them out in the benches use any good compost such as will grow any inside crop of flowers. They can be planted about a foot apart each way and kept well watered. Ventilation is one of the most important points in growing stocks successfully so give them plenty of it. Give regular fumigations to keep down the green fly.

Mr. Farrell's next notes will be on the following: Asparagus Sprengeri; Care of Cyripediums; Hollyhocks; Hydrangeas; Lilies for the Fall; Repairing and Outside Painting.

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FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Layering Strawberries.

Strawberries for forcing next winter should be layered without delay. Let preceding years designate the varieties to be used—that is the main crops. Trials should be made on any promising new varieties which may have come under notice, but do not rely on these new ones, as they are liable to turn out useless for forcing. After determining how many plants are needed add fifteen per cent, to cover any which may not root. Have the required number of three-inch pots ready and sufficient soil to fill them put through the half-inch sieve. By pressing this point of having sufficient material ready at the first time of asking much time is saved than by making “two bites at a cherry” as the saying is. When making the two or three attempts men are covering ground these two or three times when once should be sufficient. This is applicable to many jobs. I would rather any time see a small amount of soil left over after potting up a batch of stuff than to have that same amount to mix. In addition to the extra labor entailed it is doubtful if the two lots of soil contain exactly the same ingredients—that is, where a proper mixture is called for. In this case any good soil will do to layer into. Where any quantity of strawberry layers are required annually it is a good practice to put in young stock each year; take off the flowers to prevent them from fruiting the first season which will give you the strongest layers from which to select young runners. If this was not done the best must be selected from those which fruited this summer. The best method of procedure is to clean the stock plants first, remove all weeds, bad leaves, etc., also any runners which are too old for the purpose. The remaining should be drawn to one side of the plant so that the small pots can be placed close together to prevent rapidly drying out and in addition to this the outside rows should have either the straw mulching of the bed or some soil drawn up around them or you will experience a difficulty in keeping them evenly moist with those on the inside of the group. Layering itself is easy after all the preparatory work is through. Place the pots in position, select the layer for each one, remove any more plants which may be on the same wire, see that the wire (or rhizome) will reach the bottom of the pot, leaving the crown of the young plant level with the surface of the soil. As the soil is filled in on top of the wire, this will keep it in position. See that the pots are level, to retain the water, and they must be kept evenly moist until the plants are rooted, when they can be cut away and transferred to

some convenient spot having an ash bottom and being near a faucet. As soon as they fill out the threes nicely with roots shift them into sixes.

Propping Apples and Pears.

To get the maximum amount of color and finish into apples and pears grown in pots it will be well to prop them up to get all the sun, light and air possible. Apples are done by means of moderately stiff wire bent so as to form a receptacle or prop for each fruit, the ring or cup at the top being at right angles to the support or handle. This handle can be made in different lengths to suit various positions on the trees. The cup is the only part of the support which comes in contact with the fruit and this should be covered over with cotton wool to prevent the fruits from bruising. Two or three strong stakes are usually required to bring the tree into shape and bring all the fruits as near as possible on to one side of the tree, thus giving all the sun at the same time. When this is done the props are worked up under the fruits; being made of practically flexible wire they will bend to any required position and once made fast will remain so. By carefully turning the fruits a little every few days they will soon become the very richest color the variety is capable of producing. Pears are a little different. Being of different shape and more easier bruised the trees can only be staked out and the fruits tied on so that they can remain on the trees until perfectly ripe, without danger of falling. The idea of tying the fruits on may seem strange, but the stalk on the pear is long enough and gives itself to receiving a piece of raffia. Many good pears have been saved this way. The writer has often thought it is too bad peaches and nectarines could not be treated similarly, as we continually find a few push themselves off when swelling fast.

Order New Trees.

This is not a week too early to place orders for new trees to be delivered in the fall, which is the only satisfactory time to receive trees for pot work or early forcing. All business firms make a practice to fill orders as received, consequently the “early bird catches the worm.” You are surer of getting exactly what you want and the best of it. When ordering be sure to designate the shape required and state for pot work or otherwise. Previous issues of HORTICULTURE have contained lists of varieties of the different subjects cultivated under glass which have proved satisfactory for forcing in America. Any of these will be readily inserted again to assist any reader in making a selection.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Syringing Young Plants

Be very careful that the newly planted stock is not too dry when you are thinking of syringing. During this hot weather the foliage will scald very easily and should the plants get badly scalded it will take a long time for them to recover. In most houses plants can be given a light watering early in the morning and will not be too wet if syringed later. With certain soils and houses this cannot be done so it is best to try and water good the day before syringing. Plants that have been set deep enough when planted will be very difficult to syringe, and will be very likely to make poor growth. Better take them up and plant them properly.

Two-Year-Old Plants

These also should be watered very carefully as over-watering means disaster. Syringe these very quickly, being careful not to get too much water on the bench. Plants that have not been cut down and re-planted will not be so particular.

With old Beauty plants pinch out all buds as fast as they appear, and build up the plants a bit before attempting to cut any roses from these. Killarneys, Mrs. Jardine, Richmond, Radiance, Melody Sunburst, My Maryland, Mrs. Taft and a few others will stand the same treatment, i. e., pinching to build up the plants. With Bride, Bridesmaid, Kaiserin, Augusta Victoria, Madison and others pinch out only the very strong shoots, taking two or three leaves with each bud. The weak-stemmed buds are best cut down to two eyes as is customary with all roses.

Wires for Beauties

Many growers will place their first wire too high from the surface of the bench. We find that one foot above is plenty high enough. If the first tier of wires is placed too high we find the plants do not do so well. It is customary to cut two eyes above the bottom wire, and the wood below the wire soon becomes very hard and does not circulate sap as freely as new wood; therefore the nearer the new growths are to the roots the better. The breaks on a shoot that has been cut too high are liable to be weak. Although the first break or two may come strong, the next ones surely will be weak which will keep up until all wood in the houses is weak and spindling and refuses to set. Were it not that it is very difficult to work around plants tied too low, we would recommend placing the bottom wire even nearer, but this would not do, for the danger of spot would then be increased, the air not circulating underneath the plants very well and thus leaving the bottom foliage always more or less moist.

Manure for Fall Mulching

If no manure has been heaped for the early fall mulch get some as soon as possible. In buying manure, look more at the quality than at the price. Cheap manure is

bound to have too much straw in it and it certainly pays to get good manure, even though the price is a little higher than for the poor inferior kind. Heap it into nice neat heaps, under cover if at all possible, and have it turned once every week, breaking up the lumps as much as possible. If this is done the manure ought to be in shape by the time the first house of roses is ready for its first mulch. It would not be advisable to add any soil to the manure as yet. If soil is added it becomes too heavy to handle. Therefore keep manure and soil separate.

A Concrete Floor for Manure Shed

It is a wonder to me that so many florists let their manure lie exposed to the weather when it costs but little to build a small shed, with a concrete floor. As concrete work is not so very complicated, it can be done with the aid of the help on the place. Have a little cistern that will receive all the drain. This can be well utilized as liquid manure to be applied to the roses later on, or can be used for watering outside flowers and vegetables while they are small. Soaking the manure with it is also very good. Any ordinary pump will answer the purpose and can be bought very reasonable. By all means build a manure shed and save many dollars by utilizing liquid manure that now runs down the creek or soaks into the ground in places where not a drop of it is absorbed by trees or other vegetation.

Lime

Now is also the best time to see about procuring enough lime to do for the season. By arranging with lumber yards lime can usually be purchased at a very reasonable figure, for many yards carry a large stock and some of it is bound to slack and become quite useless to them, and yet this very lime is just the thing for the rose grower. To keep good, lime must be stored in a place that is perfectly dry, free from all moisture. Most places have special lime boxes where lime is kept dry, and can be screened and used whenever it is wanted. Our opinion is no rose grower should be without at least a little lime on hand at all times. Even now in the hot dry weather it happens at times that houses are syringed heavily in the morning and the afternoon is cloudy with a heavy rain. A little lime blown around the house at such times is the finest thing in the world. Do this the last thing at night, i. e., just before quitting.

Protecting Iron Posts

All columns, pipes and supports that run through the bench to the floor of the greenhouses should be properly boxed so that no soil will come near them, otherwise it will not be very long before they are rusted through, and anyone who has to replace one or two will appreciate having all posts securely boxed. A good coat of paint should also be applied quite often to keep all supports in prime condition. If this is not done the house will soon be all out of shape.

HORTICULTURE

VOL. XVI

JULY 6, 1912

NO. 1

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

Per inch, 30 inches to page..... \$1.00

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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The Rambler in the ascendant

Among the most pleasing features of the big international show in London was the prominence of the American hybrid Ramblers in the rose exhibits. It is very evident that they outshone all others in impressive effect. This section of which the foreign raised *Crimson Rambler* was the first notable example, has been so enriched by the skill of American hybridists that a rose exhibition or rose garden now in which these graceful subjects are not a conspicuous component, is a "weary, stale, flat, and unprofitable" matter. We look forward to the time when the patient skill of our rose producers shall give us a race of hardy perpetual flowering ramblers, accomplishing for the pillar class what has already been so well done for the bush class in the H. T. varieties.

Friends of the Peony

The appeal of President Farr of the American Peony Society for the elimination of inferior varieties from the catalogues of nurserymen and that the Society should discourage the further introduction of new sorts which are below the standard will, no doubt, receive the unanimous approval of the trade and the amateur as well. Excellent work has been done under the Peony Society's auspices in identifying varieties and classifying synonyms. Probably no other species of garden plants has ever been so mixed up as to nomenclature and so burdened with spurious varieties and fraudulent varietal names as *Pæonia albiflora* and the task which the society undertook in straightening out this disorder was a big one. We hope it will be equally successful in future in its avowed purpose to advance the interests of its favorite flower by encouraging the raising of still finer varieties than we now have and opposing the exploitation of those that are inferior, whether new or old.

A vigorous offspring

Many well-wishers of our Society of American Florists have been disturbed from time to time by the formation of new societies devoted to the interests of special flowers—sometimes regarded as of minor importance—fearing a weakening effect on the "parent" institution. One of the youngest of these special organizations is the Sweet Pea Society, which has already given good justification for its existence and that without any suggestion of any cross-purposes with any other body. This Society, we predict, will provide astonishment in plenty for the horticultural world, at its annual meeting and exhibition to be held in Boston the latter part of next week, and those who visit it will have good reason to congratulate themselves, no matter how great a distance they may have to travel. The S. A. F. is not weakened but strengthened rather by these enthusiastic endeavors. It all depends on the motives and springs of action of the men who provide the inspiration and mould the sentiment in such movements, and in the present instance the loyalty of the workers in the young offshoot, to the big national organization, is unquestioned.

Oncidium ornithorhynchum

This is a very pretty and well-known orchid from the Mexican Cordilleras where it is found growing at an elevation of from 2000 to 5000 feet above sea level. The individual flowers are small but are produced in great profusion on slender well branched panicles. They are very sweet scented, the odor reminding one of heliotrope. It is very interesting to study the peculiar shape of the flowers under a magnifying-glass; this will plainly show a great resemblance to some kind of bird. The cap which protects and hides the pollen has a long point, at the end of which protrudes the caudicles to which the pollen masses are attached and this might be taken for some insect which the bird is holding in its bill. This will explain the specific name "ornithorhynchum"—a bird's bill. The petals would represent the wings of a bird flying while the lip, which is turned backward at nearly a right angle and ornamented with a yellow crest, would represent the body of the bird.



The illustration represents the white form *O. ornithorhynchum album* which is very pretty and quite rare.

This *Oncidium* grows best in intermediate temperature suspended from the roof. It should be shaded from direct sunshine during the hot summer months, but in fall and winter up to early spring will enjoy all the sunshine it can get. They are very sensitive to root disturbance and when repotting becomes necessary great care should be taken not to injure the roots more than can be helped. The best time to pot is when new roots begin to push forth from the new growth. Chopped

moss and osmunda fibre in equal parts with a little sharp sand added will make a good compost for them, but it should be used sparingly, an inch or two on top of the drainage being sufficient. During summer when growing vigorously they will enjoy frequent applications of weak liquid manure; once or twice a week will not be too often, and the plants should be syringed freely on all bright days. Never let them be dry except during the dull winter months, when only just enough water should be given to prevent the bulbs from shriveling.

M. J. Ope

Aristocrat

Your true aristocrat is always your true democrat. Heredity, training, brains, are all antecedent. Mere money does not make an aristocrat—although it may be an incident in the development. Most of the newly rich are far from being aristocrats. They are mostly snobs. Many true aristocrats have no money at all. What a true aristocrat is was forcibly illustrated the other day by an incident told by John Farquhar about the speech of Sir George Holford who won the King's prize for orchids at the London show and who at the Royal Horticultural Society's dinner later deprecated the great praise given him, saying that his friend Mr. Alexander deserved most of the credit. Mr. Farquhar met him the next day and complimented him on that portion of his speech. Sir George said: "He is my friend; I never think of him otherwise." The point of this illustration lies in the fact that Mr. Alexander is the Baron's gardener; but the Baron never thought of referring to that fact in his speech. He spoke of him as his friend. There's at least one man in Massachusetts who can be called a true aristocrat. David Roy of Marion could tell you about him; and there are doubtless many others all over the world; but we hear about them all too seldom. They are the salt of the earth!

G. Watson

AMERICAN SEEDLING PEONIES.

It has long been the custom to look to Europe for everything new and worthy in peonies, and it is not without cause, for, with the exception of a few good ones of American origin, nearly all of the novelties have come from Lemoine, Dessert, Millet and Kelway, who, within recent years, have sent out some magnificent varieties. It really seemed as though about the limit of variation must have been reached, but America is coming to the front in the production of new peonies and within a few years we shall see some startling novelties placed on the market which will equal, if not surpass the European productions. On a recent visit to the grounds of E. J. Shaylor, the peony specialist of Wellesley Farms, Mass., I was forcibly impressed with the excellence of some seedlings he has flowering in their second season. The most striking one he proposes to name for his mother, Mary Woodbury Shaylor, and a more beautiful memorial it would

be hard to find. The plant is very conspicuous and is the first to catch the eye in the section of the grounds where it is growing. In habit it is very marked, being of a vigorous, upright growth, with heavy foliage and immense blooms, which are of the semi-double type, flesh white on first opening, fading to cream white with age. The guard petals are very large, well rounded and remarkably thick. The center petals are of equal length with the guards, mostly broad and notched at the ends, several of which are bordered with bright crimson. The carpels are bright carmine; the yellow stamens, which are of the club-shaped Japanese type are intermixed with the petals in a very effective manner. The plant is furnished with the heaviest foliage of any variety known to me, many of the leaflets being fully four inches in breadth. The stems are very short and furnished with leaves well up under the flowers, very much in the way of *Chrysanthemum* Major Bonnafon and some others.

To those who see no beauty in a flower unless full double, this variety

might not appeal, but to those who appreciate the artistic, it certainly will stand among the most beautiful. As compared with the recent European importations, with few exceptions, the latter fall far behind, leaving this in a class by itself.

Another seedling of much promise is of similar habit but taller, smaller in all its parts, with a flower more full and with narrower center petals intermixed with the true Japanese club shaped staminoids. The color is delicate flesh with cream white center.

Still another seedling of great merit is one which Mr. Shaylor proposes to name Jessie Shaylor. It is somewhat in the way of *Mad. Emile Lemoine* but with more shell-like petals. The color is light flesh and cream white, with a few stamens showing among the petals. The habit is good, bearing its large flowers well above the foliage on strong stems which have no inclination to droop. Another season's growth will probably show these flowers at their best and enhance somewhat their beauty.

A. H. FEWKES.

Obituary.

John A. Pettigrew.

John Allgood Pettigrew, superintendent of Boston parks, died at his home in Jamaica Plain, Mass., on July 2, of heart disease, from which he had been suffering for several months. Mr. Pettigrew was born near Newcastle, England, on April 25, 1844. His father was a gardener and he began his own experience in that profession when a boy of 10 years. He came to this country at the age of 22 and settled in Chicago, where he was engaged in floriculture and landscape work for some 13 years, afterwards spending several years in the stone contracting business. Returning to landscape work he was selected as superintendent of Lincoln Park which was then in the constructive stage and the result of his magnificent abilities in this work and in the treatment of the lake shore drive soon brought to him and the department under his care a world-wide repute. His accomplishments in the Chicago park system were justly called "a triumph of the gardeners' art, over apparently insurmountable adverse conditions" and there was great popular indignation when through the political tyranny of an unscrupulous governor Mr. Pettigrew was forced out of his position. Politics again was the cause of his leaving the Milwaukee park system where he spent one year after leaving Chicago. He then came to Prospect Park, Brooklyn, where he displayed high administrative ability and made a splendid record of efficiency and further secured his reputation as the foremost park superintendent in America. On January 1, 1897, he was called to take charge of the Boston park system and here he has labored unceasingly ever since, sturdily advocating and practicing the best principles of landscape art and rendering invaluable service in providing healthful recreation facilities for all the people, young and old.

Mr. Pettigrew was identified with many organizations. He was the organizer and first president of the American Association of Park Superintendents; president of the Gardeners' and Florists' Club of Boston for two terms; trustee of the Massachusetts Horticultural Society; member of the Society of American Florists, the American Forestry Association, the Appalachian Mountain Club and the Horticultural Club of Boston. He read papers before several of these bodies on various occasions, on the subject to which he had devoted his life work and was at all times a willing helper on committees and other society duties. He leaves a widow, one son and three married daughters.

As to Mr. Pettigrew's personality and qualities as a friend and companion words fail to express the writer's emotions as he recalls the years of close intimacy with that generous and noble character. A true and ever-loyal friend, a wise and far-seeing counselor—

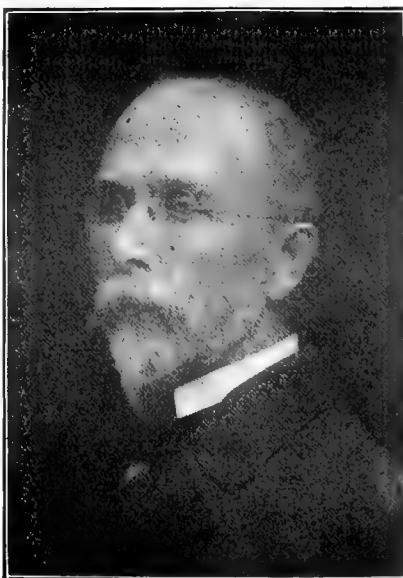
"Friend to truth" of soul sincere,
In action faithful, and in honor clear,
Who broke no promise, serv'd no private end,
Who gain'd no title, and who lost no friend."

We now give way to the heartfelt

tribute of one who was, perhaps, Mr. Pettigrew's closest confidant and friend among the Boston horticultural fraternity.

It falls to the lot of few men to be so widely appreciated and esteemed, and by his closer friends so deeply beloved as was the late John Allgood Pettigrew. His calling was dear to him and any one interested in any branch of horticulture or forestry had ready access to his marvelous fund of knowledge. His closest friends were chosen from among his fellow craftsmen and to such his friendship knew no limit. Even among these it was seldom that the subject of conversation drifted beyond topics relating to his life calling.

Mr. Pettigrew died in the midst of his work; he never relinquished it. His single purpose was the formation and continuance of a system of parks,



JOHN ALLGOOD PETTIGREW

boulevards and playgrounds in the City of Boston that would meet the high standard that he himself had established, a standard not approached by any other system in the world.

"He is easily first among us," said an able park superintendent in speaking of Mr. Pettigrew at the Rochester, N. Y., convention two years ago, and only the other day a letter from one of the foremost park men in the country referred to him as "our dean and leader."

Nor was his fame confined to this country—he was well known and his work and opinions most highly regarded in Europe. When in Europe last month the writer had many inquiries for and compliments paid to our departed friend; Mr. W. Watson, director of the Royal Gardens, Kew, spoke of him most enthusiastically, while Mr. William Atkinson of the famous Hansworth Nurseries, said, "Pettigrew and I understand each other—of trees and plants we think alike and talk in the same language."

How much we in Boston who have seen so much of him shall miss him! His great work remains and will go on, and wherever we turn in this city we shall see it—we shall not forget him, for in it all he will still be with us. JOHN K. M. L. FARQUHAR.

Mrs. Wilhelmina Rosmarin.

On June 16, Wilhelmina, wife of George Rosmarin, proprietor of the Encinal Nursery, 1419 Bay street, Alameda, Calif., died at her home, aged 61 years. She was a native of Germany and was well known in the trade. Her husband and two daughters survive her.

Peter R. De Muth.

Peter R. De Muth, head of the firm of P. R. De Muth & Sons, florists, 81, South Pittsburg street, Connellsville, Pa., died on June 20, aged 79 years. He was born in Connellsville township and began gardening and florist work while still a boy. He leaves a widow, three sons and two daughters.

John L. Froding.

At the age of 67 years, John L. Froding, landscape gardener, Oconomowoc, Wisconsin, died suddenly on June 18. A widow, one son, and two daughters survive him.

Daniel Springer.

Daniel Springer, florist, 29 Chittenden avenue, Columbus, O., died from an attack of heart trouble on June 29.

NATIONAL SWEET PEA SOCIETY OF AMERICA.

Program—First Day, Saturday, July 13, 1912.

3 P. M.—Address of Welcome; President Sim's Address; Secretary's Report; Prof. A. C. Beal's Report on our Trial Grounds at Cornell University; Treasurer's Report; Nomination of Officers for 1912; Invitation for the Next Meeting Place; "Our Present Knowledge of the Sweet Pea Diseases and their control, by Prof. J. J. Taubenhaus of the Delaware College Agricultural Experiment Station; Election of Officers.

8 P. M.—Vote on the Next Meeting Place; Addresses and Discussions; Question Box; Unfinished Business.

Second Day, Sunday, July 14, 1912.

Lectures which will be announced later.

Announcements.

The Gardeners and Florists' Club of Boston will invite the members of the N. S. P. S. of A. at an informal luncheon at 7 P. M., Saturday evening.

The executive committee recommends that the name of our society be changed from the National Sweet Pea Society of America to the American Sweet Pea Society. This will be voted upon at the next meeting. Kindly be present and express your views.

The final schedule of the exhibition and prizes is out and copies can be had of Secretary H. A. Bunyard, 342 W. 14th street, New York. It is a big prize list in which commercial growers, amateurs, private gardeners, retailers and school children are all sumptuously provided for in the way of liberal premiums, among which are many valuable cups. The Massachusetts Horticultural Society also offers a page of money prizes and medals. Complete schedule will appear in our next issue

CLUBS AND SOCIETIES

AMERICAN PEONY SOCIETY.

The meeting of the American Peony Society which took place at Ithaca, N. Y., on June 19 and 20 was a great success. A large proportion of the firms specializing in the peony were represented and also there were a good many amateurs from various parts of the country as well as some from Canada. The exhibition was made up of cut blooms from the Society's plot on the grounds of the University and the exhibits of private growers.

For the best collection, one bloom of each, the judges awarded first to A. P. Saunders, Clinton, N. Y.; second to Mrs. F. S. Kellogg, New York Mills, N. Y. For the best new seedling of American origin not previously exhibited, Mr. Saunders was also awarded first for Jean Bancroft, blush with cream centre, and immense blush guards. T. A. Havemeyer of Glenhead staged a collection showing high cultural skill, but owing to the differ-

sisting of Messrs. Farr, Harris, Saunders, Brown and Craig. It is hoped that it will be possible to get the work ready for the press within a year.

President's Address.

After voicing a welcome to the members the president referred to the imperishable and far-reaching records of the Society's work as presented in the bulletins and standard descriptions of varieties as published. He spoke appreciatively of the joint work done by the Horticultural Department of Cornell and the great assistance given the society in indexing, classifying and care of the plants and the publication of the bulletins all of which had been assumed by the University, the society supplying the plants. He gave especial credit to Prof's Craig, Coit and Batcheler for diligent work.

The next and most important work, he said, should be the gathering together of all the material contained in the several preliminary bulletins which

and protection of the authorities and be visited by the masses of people.

Now that the work of identification has progressed so far, he said, the work of elimination may be taken in hand and the continued propagation of inferior varieties discouraged, as well as the introduction of new varieties not up to the highest standard.

The Secretary's Report.

Secretary A. P. Saunders reported a membership of 66. He advocated the desirability of interesting amateur growers in the society and the offering of prizes at the exhibitions exclusively for amateur competition. Concerning catalogue descriptions he spoke as follows:

I think the growers should take more account of the preferences of the amateur in the choice of varieties. The standard catalogues, and even the descriptions of our own Nomenclature Committee recommend varieties especially adapted for landscape work or for cut blooms. Now the landscape architect wants large masses of color 100 or 200 plants of one variety planted together so that they may produce a magnificent effect of color from the house of his patron, who often does not know one sort from another. Cut blooms on the other hand, of the florist's ideal, are such as will ship from Chicago to New York without fading. The amateur is nowhere here. He grows only 50 to 100 plants, one of each kind, and wants them for his own delight and that of his friends. This amateur class is increasing all the time, as my correspondence shows; and I think it would be good policy on the part of the nurseryman to cater directly to it. The amateur does not care much about durability, but he wants exquisiteness on quality, and he wants variety in his varieties. There are many kinds that I could name which are peculiarly for the amateur, varieties such as the semidouble LaRosiere, the single Albiflora, The Bride, that strikingly decorative little flower Philomèle; some of the best of the Japanese kinds. These represent the kind of thing out of which by expanding the list the nurseryman might make a separate class through which a direct and special attempt could be made to reach the preferences of the amateur grower. Nor would I exclude from this class those superb sorts which we all agree to admire, Thérèse, Mme. Emile Gallé, Gloire de Charles Gombault, Duchesse de Nemours (Calot), Carnea elegans (Calot) M. Martin Cahuzac, and many others of like excellence.

The officers of the Society elected for the coming year are: President, B. H. Farr, Reading, Pa.; vice-president, E. B. George, Painesville, Ohio; treasurer, J. H. Humphreys, Chestnut Hill, Pa.; secretary, Prof. A. P. Saunders, Clinton, N. Y.

C. S. Harrison of York, Neb., and Leon D. Batcheler were elected to honorary membership in recognition of their services to peony culture in America.

No definite action was taken on the meeting place for next year. Cleveland and Chicago were both discussed



ence in the season between Mr. Havemeyer's locality and that of Ithaca, many varieties were too far advanced to do the collection justice.

There is to be a permanent planting at Cornell of a representative collection of three plants of every variety included in the bulletins of the nomenclature committee. This planting is already partly completed, and will be brought to a close by the end of the present season. As the work of description and identification is now completed, it is not necessary to retain the whole plot any longer. The main part is to be sold as a whole, and the question of its disposal was taken up at length in the sessions of the Society. As to the smaller collections planted alongside the main plot, the original donors having consented to the plan, these are to be listed and offered for sale separately. The funds obtained from these sales are to be devoted to the publication of an illustrated Peony Manual made up from the bulletins already published and with a good deal of new material, giving accurate descriptions of all the standard varieties, cultural directions and much other material indispensable to peony growers. A special committee on publication was appointed con-

have been published, with such revisions and corrections as is necessary to form a complete book of the peony which shall be the official peony catalogue or manual of the society. This work should be so carefully compiled as to become the standard book of reference on the peony, a book which would doubtless be in demand to such an extent that its sale would eventually cover the cost of its publication.

Arguing for greater efforts to bring the merits of the peony more strongly before the general public and to increase the amateur membership, he recommended that the society's exhibitions in the future should be held at points where the largest number of people can have opportunity to view them. He applauded the course of some of the big seed houses in the largest cities which have made a feature of having a large peony show during the season, sending out a large number of invitations in addition to advertising this display with the result that thousands of visitors have been attracted and sales of roots have been greatly increased. He also advocated the establishing of large collections of plants of the best varieties in public parks in the larger cities where they could be under the care

and the matter was finally left in the hands of a special committee.

Before the adjournment of the meetings resolutions were passed acknowledging the obligation of the Society to Cornell University, and particularly to Prof. Beal, who had contributed largely to the success of the exhibition and meetings.

S. A. F. CONVENTION SPORTS.

The prize list for coming sporting events to be held in connection with the convention at Chicago in August is now being made. Will anyone willing to donate a prize, kindly let us know. We would like to make this the biggest and best bowling, shooting and outing ever held in connection with the annual meeting of the S. A. F. and O. H.

Yours for prizes,

C. J. GRAHAM,

Chairman Sports Com, S. A. F. & O. H.
12349 Euclid Ave., Cleveland, Ohio.

CHICAGO'S BALMY CLIMATE.

Chicago is known far and wide as an all-the-year-round resort, mild in winter and cool during the summer months. The expansive waters of Lake Michigan render the temperature enjoyable at all times, and the peculiar ozone is rejuvenating as well as bracing, making the old young again and the youthful irresistible. There is a tradition, which can be substantiated only by the mermaids of the Chicago river, of one very hot day in Chicago, viz., July 4, 1776, and the descendants of those who survived that day are not to be found hereabouts, so that it will be impossible to verify this statement when you come here next August to the convention. It will be easy, however, to prove the accuracy of the appended figures giving the normal August temperature of Chicago and other leading cities supplied by the United States Weather Bureau, Washington, D. C., as follows:

Chicago, 71.2; New York, 72.2; Pittsburgh, Pa., 72.5; Philadelphia, Pa., 73.8; Washington, D. C., 74.5; Baltimore, Md., 74.7; Cincinnati, O., 75.5; St. Louis, Mo., 77.2.

MICHAEL BARKER, Chairman.

Press and Advertising Committee.

Might as well add Boston as one of the "other leading cities," normal August temperature, 68.9.—Ed.

The summer meeting of the Executive Committee of the National Association of Gardeners will be held at Horticultural Hall, Boston, Mass., on Saturday afternoon, July 13th, 1912. Notice of the hour of the meeting will be posted in the hall during the forenoon of that day. William Sim, president of the National Sweet Pea Society of America, has extended an invitation to all members of the National Association of Gardeners to attend the Sweet Pea Exhibition, which will occur on the same day and to participate in the general program that is being arranged for the members of the Sweet Pea Society. Present indications are that a large attendance of National Association members will be on hand, many of them as competitors for the liberal prizes which are being offered by the Sweet Pea Society at their annual exhibition.

M. C. EBEL, Secretary.

CHICAGO NOTES.

Wedding Bells.

A wedding in the Bassett-Washburn family is getting to be an annual event. This time it is C. L. Washburn, last year it was O. P. Bassett and two years ago it was C. B. Washburn, thus representing three generations of florists in three years. Chas. L. Washburn and Helen Van Aken were married June 29 at the home of the bride's parents in Hinsdale, Ill., only relatives and immediate friends being present. The house was beautifully decorated with American Beauty and Mrs. Ward roses by Samuelson, and the bride's bouquet was lily of the valley and white orchids. The bride was attended by Miss Louise Washburn, sister of the groom, and E. B. Washburn, son of the groom, was best man. The happy couple left for a trip round the lakes in the Northland and will be gone about three weeks. C. L. Washburn is one of Chicago's best known and highly respected wholesalers and though he stole a march on his friends they will nevertheless give him hearty congratulations.

Trade Notes.

July 1st, all the wholesale stores began their summer schedule, opening at 7.15 and closing at 5.

Practically everything now in blooming plants is out of the market and the Boston fern family reign supreme as store and window plants.

The bowlers and baseball enthusiasts are not letting the moments slip away and if Chicago does not do herself credit at Convention time it will not be for lack of practice. All the various committees are hard at work and everything is moving in a satisfactory manner conventionward.

The first annual meeting of the Chicago Flower Growers' Association is to take place in the near future and the books are in the auditor's hands in preparation for that event. Members of the board of directors are wearing a smile which augurs well for the announcement expected at the meeting. A fine quality of Butterfly sweet peas, out-door grown, were seen here. The stems were longer and blooms firmer than of those from in-door stock.

At J. A. Budlong's shipping trade starts in for July without slackening up and the usual force are apparently as busy as ever. The excellent quality of their stock is keeping up, notwithstanding warm weather.

The Chicago Carnation Co. are showing White Enchantress carnations almost the equal of those cut in the winter. Their Rubra Superba peonies are nearly all cut and the big brilliant flower will be missed.

With the coming of warm weather the florists' window decorations are in many instances giving way to less brilliant tones and the suggested coolness of the green and white, especially when accompanied by running water, is very refreshing to the passerby. Outside of the trade, Lyon & Healy had a remarkably realistic woodland scene in a 25 ft. window.

Personal.

Miss M. Zalud of J. Mangel's, left Saturday for a vacation trip, including a visit to Starved Rock, Ill.

August Jurgens, Jr., has succeeded

Miss Robertson as assistant bookkeeper for the Chicago Flower Growers' Association.

Last week's notice should have read Mr. and Mrs. H. N. Bruns and two children left for Germany where they will spend the summer.

Miss Lilian Yetterberg, cashier at A. Lange's, is on a six-weeks' vacation at Bethany Beach, Mich. H. Stone, head designer at the same store, is also taking a vacation while Mrs. Mailander has gone to pass the summer at Circle, Montana.

Visitors—A. C. Brown, Springfield, Ill.; B. Loveridge, Peoria, Ill.; A. H. Burt, Kankakee, Ill.; H. Buckbee, Rockford, Ill.; M. Freyling, Grand Rapids, Mich.; Mr. and Mrs. L. Buckendorf, Norfolk, Nebraska.

WASHINGTON NOTES.

The Washington Florists' Company are now located in their new quarters at 1408 H street, N. W. There are two large doorways in the front between which is the large show window, and on either side the walls are covered with plate glass mirrors separated by tall columns. At the one side is the ice room and below this is the shipping and bundle counter; on the other, the office section and the make-up bench. Here we come to the steps that lead to the basement and the short flight to the palm room which adds so to the fine appearance to the store, and in back of this is the stock room. In the basement is a large space into which their automobiles can be driven and loaded and unloaded.

W. R. Smith still continues to fight against the malady with which he is stricken, with the spirit and fortitude that he has shown for the past year. Early on Sunday morning last he was stricken with a fainting spell but even this he overcame.

Peter Reinberg, of Chicago, Ill., was in Baltimore last week attending the Democratic Convention, to which he was a delegate, and met many of the Washington boys who dropped over for a day or so.

PERSONAL.

P. Welch and family of Boston have gone to Old Orchard, Me., for the summer.

We are glad to report N. F. McCarthy as well along on the road to complete recovery at the Charlesbank Hospital, Boston.

I. W. Prince, formerly of Overbrook, Philadelphia, Pa., is now employed by William K. Harris, 55th street and Springfield avenue, Philadelphia.

Albert Bruchhaus, of Sheboygan, Wisconsin, is to have charge of the greenhouse of Dr. Derrwaldt, Plymouth, Wis.

Hugh Dickson of Belfast, Ireland; Alexander B. Scott, Charles Sim and George Fowler of Philadelphia, are among the well known celebrities due to sail on the Anchor Line steamer, "Columbia," sailing from Pier 64, North River, New York, at noon, July 6th.

Boston visitors: John Young, New York City; David M. Dunning, Auburn, N. Y.; D. Cameron representing F. Sander & Sons, St. Albans, Eng.

Remember the big Greek picnic, New York, Monday, July 8. A glorious time is assured.

Boddington's Gigantic Pansies

Can be produced only from the giant strains. Our CHALLENGE PANSY seed contains only the giant self-colors, the giant striped and variegated and the giant blotched, etc., all carefully mixed in proportion. You could not buy better seed if you paid \$100 per ounce. Our Challenge Pansy seed during the past season gave unprecedented satisfaction, and every order booked last year was duplicated and increased this year. All the testimonials received mentioned specially the high grade of flowers—color, form and size of the individual blossoms. This year, by adding improved types, intending customers can absolutely rely on a duplication of this season's success with increased satisfaction. Our "mark" for this strain is "Challenge," and it is all the word denotes.

Pansy—Boddington's "Challenge"—All Giants.

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said: "Why don't you call it Defiance."
 ½ trade pkt. 25c., trade pkt. 50c., ¼ oz. 75c., ¼ oz. \$1.50, ½ oz. \$2.75, oz. \$5.00.

BODDINGTON'S QUALITY "ENGLISH" PANSY.

A superb strain of highly colored flowers in great variety and immense size.

Our Mr. Bunyard, while visiting the Royal International Exhibition in London, was much impressed with these blooms and secured as much seed as possible—but only sufficient to offer same in packets which we do as follows:—

Trade Packet (500 seeds) for \$1.00
 ½ Trade Packet (250 seeds) for .50

OTHER CHOICE VARIETIES OF GIANT PANSIES.

Triumph of the Giants. Extremely large flower of beautiful coloring. Should Tr. pkt. ¼ oz. ½ oz. be grown by every florist. \$0 50 \$2 75 \$5 00

	Tr. pkt.	¼ oz.	½ oz.
Boddington's "Challenge" Mixture.....	\$0 50	\$1 50	\$5 00
Giant Trimardeau. Mammoth-flowering, and in a good range of color.....	15	50	1 50
Giant Masterpiece (Frisled Pansy). Petals beautifully waved; exquisite colors....	25	1 25	4 00
Cassier's Giant. A fine strain of large, highly colored flowers.....	15	85	3 00
Giant Bugnot's Stained. Extra choice flowers, large and plenty of light colors	50		
Giant Madame Ferret. A recent introduction by a celebrated French specialist; of strong, free growth.....	15	85	3 00
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	15	75	2 50
Giant Lord Beaconsfield. Deep purple-violet, top petals light blue.....	15	50	1 50
Giant Canary Bird. Ground color is a bright golden yellow and each petal is marked with a darker blotch.....	15	85	3 00
Giant Orchidaeflora, or Orchid-flowered Pansy. Splendid variety; beautiful shades of pink, lilac, orange, rose, terra cotta, chamois, etc.....	25	1 25	4 00
Giant Emperor William. Ultramarine-blue, purple eye.....	10	50	1 50
Giant Golden Queen. Bright yellow, no eye.....	15	60	2 00
Giant Golden Yellow. Yellow, brown eye.....	15	75	2 50
Giant King of the Blacks (Faust). Black.....	15	60	2 00
Giant President McKinley. Golden yellow, large dark blotch.....	15	85	3 00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	15	75	2 50
Giant Pretiosa. Crimson-rose, white margin, violet blotch.....	25	1 25	4 00
Giant Rosy Lilac.....	15	60	2 00
Giant White. Violet spot.....	10	60	2 00



CHALLENGE PANSY

NOVELTY PANSIES

	Tr. pkt.
ADONIS. Light blue, with white center.....	\$0 25
ANDROMEDA. Rosy, with lavender tints.....	25
BRIDESMAID. Giant flowers of rosy white.....	25
EMPEROR FRANCIS JOSEPH. Pure white, large violet spots.....	25
MAUVE QUEEN. A delicate mauve Pansy, the lower three petals marked with a large blotch of carmine...	25
PSYCHE. Violet, bordered white; beautifully waved petals.....	25
PEACOCK. All the name implies; a most beautiful vari-colored variety; peacock blue, edged white.....	25
RUBY KING. Superb crimson and red shades.....	25
SNOWFLAKE. Pure white; immense flower.....	25
VULCAN. Giant brilliant dark red, with five black blotches; unique.....	25

Collection of the above 10 varieties, one packet each, for \$2.00.

BODDINGTON'S GIANT PANSIES TO COLOR.

Named Varieties Mixed
 For our customers who desire special shades in Pansies we have pleasure in offering the following:
 Light Shades, Yellow Shades, Spotted Shades, Striped and Mottled, Dark Shades, Blue Shades, Bronze Shades, Red and Brown Shades, trade pkt. 25 cts., ¼ oz. \$1.00, ½ oz. \$1.75, oz. \$3.00.

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St. NEW YORK

**SWEET PEA HEADQUARTERS
 COPLEY SQUARE HOTEL**

**Huntington Ave., Exeter and Blagden Streets
 BOSTON, MASS.**



AMOS. H. WHIPPLE, Proprietor.

Convenient to the Exhibition Hall, Congenial and Home-like. Rooms without bath, \$1.50 per day up. With bath, \$2.00 per day up.

EUROPEAN PLAN.

Seed Trade

AMERICAN SEED TRADE ASSOCIATION.

An abridged account of the first and second day's proceedings appeared in our issue of last week. On Wednesday morning, June 26, papers were read by L. S. Gould of Waterloo, Neb., on Seed Corn Breeding, Lester L. Morse, San Francisco, on Costs and Cost Systems. After discussion a special committee on "Overhead Costs" was named to report later.

On Thursday morning the following resolutions were reported:

Resolved, That this Association endorses the Bill H. R. 22340, entitled: "An Act to Regulate Foreign Commerce by Prohibiting the Admission into the United States of Certain Adulterated Seeds and Seeds Unit for Seeding Purposes," now pending in the Senate of the United States, in the form as passed by the House of Representatives of April 15th, 1912;

Resolved further, That this Association is opposed to Section Four (4), the proposed Senate Amendment to said Bill, to impose heavy fines and imprisonment, for, among others, the following reasons:

First: The bill provides ample authority (Section one) for the Secretaries of the Treasury and of Agriculture effectively to prevent the importation of objectionable seeds;

Second: Said penalties are consequently wholly unnecessary. They are liable to impose excessive punishment on importers who are innocent of any international violation of the statute because variations in analyses are quite possible though using the greatest care, and because the importer cannot determine that the bulk corresponds with the purchasing sample, and thereby complies with the law, until the importation has been actually accomplished.

And resolve further, That the Secretary of this Association transmit a copy of these resolutions to the President of the Senate.

The Bourne Parcels Post Bill Senate 6850, which has been quite fully commented upon in some of our previous issues, came up for its share of attention on the part of the convention and was thoroughly discussed by various members. At the close of the discussion the following resolution recommended for passage by the Committee on Postal Laws was unanimously adopted:

Resolved, That we, the members of the American Seed Trade Association in convention assembled representing practically all of the seedsmen of the United States, desire to renew our appeal to Congress for a genuine system of Parcels Post founded on the plans and principles of the Postal Progress League; further

Resolved, That we oppose any temporary substitute and shall deplore the enactment of such portions of the Bourne Bill (Senate 6850) as cater to the interests of any class or attempt to substitute temporary expedients for real reform. We object to any provision which sets aside that fundamental and world-wide principle of the postal service which provides for uniformity of rate without regard to distance; also

Resolved, That we object to the increase of any postage rates for any reason unless it can be demonstrated that the traffic cannot be carried without loss. We appeal to the good judgment of Congress to listen to this demand of the people which cannot much longer be denied.

An interesting paper was read by Mr. Curtis Nye Smith, Boston, Mass., counsel of the association on the subject of "Recent Decisions on the Seed Trade Disclaimer," in which he contradistinguished English and American decisions on this subject. The paper though necessarily of a technical character was presented in an interesting and intelligible manner and

HYDRANGEAS OTAKSA In Tubs

12".....@ \$2.00

14".....@ \$3.00

16".....@ \$4.00

In Pots, \$1.00 each

We have about 1500 very handsome plants in tubs in bud and flower.

Florists are always welcome visitors to our Nurseries. We are only a few minutes from New York City. Carlton Hill Station is the second stop on Main Line of Erie Railroad.

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GROWERS OF HIGH GRADE NURSERY STOCK
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BEDDING AND NATURALIZING. We have made arrangements with the leading growers to have our bulbs specially selected.

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Manager Sales Department
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HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

BULBS and HARDY PLANTS

Contracts made for Seed Growing
Send for price list

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ORANGE TREES FOR SALE

Large specimens. Specially grown for orangeries and terraces. 100 specimens.
Sizes and prices on application.

J. H. TROY, New Rochelle, N. Y.

those present found it exceedingly interesting.

Crop reports by letter and wire were received from divers sections of the country and were read by Secretary Kendel. This feature of the annual meeting is growing, and the reports are increasing yearly in numbers and in interest. The importance of this feature of the association's work is fully realized by the membership, but because of the fact that at the present time other agencies are doing considerable work along this line the special committee appointed to consider the advisability of establishing a crop reporting bureau reported adversely to taking any action in that direction at this time.

Arthur B. Clark, of Milford, Conn., read an interesting paper entitled "Opportunities for a Young Man in the Seed Business," for which on motion

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OIJWERKERK, 316 Jane St., Woburn, Mass.
P. O. No. 1, Hoboken, N. J.

Nursery Stock

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

The New Sargent Rose

Stock Limited, \$1.50 each.

Also Lady Duncan, Dawson, Daybreak, Farquhar, Wm. Egan and Minnie Dawson.

Write for prices

EASTERN NURSERIES, Jamaica Plain, Mass.

HENRY S. DAWSON, Manager

WM. J. ZARTMANN, President
GEO. J. PEARSON, Sec'y and Treas.

FAIRFIELD LANDSCAPE & NURSERIES CO.

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Nurseries, Cannon Station, Conn.

General Landscape Construction, Road Building,

Drainage Systems, Water Supply, Planting.

In ordering goods please add "I saw it in HORTICULTURE"

of Secretary Kendel he was tendered a unanimous vote of thanks.

Albert McCullough, delegate to the National Board of Trade, presented his report on the meeting held at Washington, D. C., Jan. 16, 17, 18, 1912.

Election of officers resulted as follows: Charles N. Page, Des Moines, Ia., president; Harry L. Holmes, Harrisburg, Pa., first vice-president; Arthur B. Clark, Milford, Conn., second vice-president; C. E. Kendel, Cleveland, O., secretary-treasurer; J. H. Ford, assistant secretary; Albert McCullough, Arthur B. Clark, J. C. Robinson, membership committee; Leonard H. Vaughan, Kirby B. White, Chas. D. Boyles, C. N. Keeney, W. D. Ross, executive committee.

One of the always pleasant incidents of the annual conventions is the presentation to the retiring president. The convention appreciated the fact that President Vaughan has proven an excellent administrative and presiding officer and that much of the success of the convention was due to his untiring efforts, and so as soon as the election was over the next proceeding was to present to the retiring president a handsome cathedral chime clock, the speech being made by Kirby B. White in characteristic, witty and eloquent words. An appreciative response was made by Mr. Vaughan.

After the officers had been installed a rising vote of thanks to the Chicago seedsmen was carried by unanimous vote.

Thus closed one of the most successful and perhaps the best attended of all the conventions in the history of the association, which was not marred by a single untoward incident, which not only reflected the greatest credit upon the Chicago seedsmen for its efficient management and for the lavish entertainment extended by them. During the past year the largest accession of new membership was received of any of the later years in the association's history.

Exhibitors.

The MacFarland Publicity Service, Harrisburg, Pa., showed a line of their specialties and were represented by Jefferson Thomas and O. P. Beckley. Mr. Thomas gave a talk on business matters before the convention during one of the discussions.

RAFFIA

Natural: Red Star and 3 other brands. Bale lots or less.

Colored: 24 standard colors.
Minimum orders 25 lb.

Write for prices stating quantity

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17 Murray St., New York, N. Y.

CHILDS' GLADIOLI

are noted the world over for

SUPERIOR MERIT

John Lewis Childs

FLOWERFIELD, L. I., N. Y.

The Brown Bag Filling Machine Company of Fitchburg, Mass., showed one of their machines in operation, and distributed handsome souvenirs to members. The Brown family was in charge and their headquarters were always crowded with visitors.

The Albert Dickinson Company gave away a handsome pocket cardcase containing an accident insurance policy as a surprise.

The Seed Trade Reporting Bureau of Chicago occupied a prominent place in the lobby outside the convention hall, and explained their system of crop reporting.

The Walker Bin Company of Penn Yan, N. Y., had a number of people at the convention as shown on list of those attending and entertained at their headquarters, showing a fine line of their bins and fixtures.

The Torsion Balance Co., New York, showed seed-testing apparatus.

The Minneapolis Seed Co., a line of seeds.

Annual Banquet.

At 8 o'clock P. M., Wednesday, June 26, in the Hotel Sherman, an elaborate banquet was laid at which some two hundred and fifteen guests were seated as at the afternoon luncheon. At the head table were seated Mr. and Mrs. Albert Dickinson, Mr. and Mrs. Leonard H. Vaughan, Mr. and Mrs. George S. Green, Mr. and Mrs. W. P. Stokes, Albert McCullough, Mr. and Mrs. J. C. Vaughan, Charles N. Page, President-Elect W. H. Grenell, H. W. Wood, Mr. and Mrs. Watson S. Woodruff, J. C. Robinson, Mr. and Mrs. E. L. Page and S. F. Leonard, all of the gentlemen named being Past Presidents except Messrs. Albert Dickinson and S. F. Leonard. Walter P. Stokes of Philadelphia acted as toastmaster.

The list of speakers included Henry C. Barlow of the Chicago Association of Commerce, Albert McCullough of Cincinnati, president of the Wholesale Grass Seed Dealers' Association; J. C. Vaughan of Chicago; Lester L. Morse of San Francisco; Charles D. Boyles, Chicago; H. W. Wood, Richmond, Va.; A. Bryan Clark, Milford, Conn.; Theodore Cobb, Detroit; L. L. May, St. Paul, Minn.; E. L. Page, Greene, N. Y.

The exercises of the evening closed with a standing vote of appreciation for the magnificent hospitality of the Chicago hosts. The company thereupon rose and drank a toast to the Chicago seedsmen, and the toastmaster rang down the curtain on a most pleasurable and enjoyable function.

Resolutions on Death of Jerome B. Rice.

Whereas, It has pleased Almighty God in His infinite wisdom to summon to his great reward our friend and colleague, Lieut. Jerome B. Rice, and

Whereas, It is fitting that we, who for so many years have been associated with him and have enjoyed the inestimable boon of his friendship, do suitably express our sorrow, be it therefore,

Resolved, That in the death of Lieut. Jerome Bonaparte Rice the American Seed Trade Association has sustained the loss of a member second to none in enterprise, in ability, in integrity and in honor.

Resolved, That each individual member of the Association mourns the loss of a personal friend, whose loyalty was unquestioned, whose friendship was constant, whose willingness to befriend was limited only by the recipient's necessities.

Resolved, That the fortitude and patience displayed by this veteran of history's most terrible conflict, the American Civil War, permanently afflicted by a ma-

Horseshoe Brand Lily Bulbs

Prices for Cold Storage Bulbs, f.o.b. New York.

GIGANTEUM.

8/10 in.	at \$25.00 per case	of 250 bulbs.
10/11 in.	at 22.50 per case	of 150 bulbs.
11/12 in.	at 22.00 per case	of 130 bulbs.
11/13 in.	at 22.00 per case	of 120 bulbs.
No other sizes for sale.		

Prices for fresh bulbs—fall delivery, 1912.

GIGANTEUM.

Size.	Contents.	Per Case.	Per 1,000.	Per 10,000.
6/8 in.	400	\$18.00	\$35.00	\$350.00
7/9 in.	300	18.00	50.00	490.00
8/10 in.	250	22.50	90.00	890.00
9/10 in.	200	22.00	110.00	1000.00

FORMOSUM.

6/8 in.	400	\$18.00	\$40.00	\$350.00
7/9 in.	300	18.00	60.00	550.00
8/10 in.	250	20.00	80.00	750.00
9/10 in.	200	17.00	85.00	800.00

7/9 in. chiefly red-stems, at \$21.00 per case of 300.

MULTIFLORUM.

6/8 in.	400	\$18.00	\$40.00	\$350.00
7/9 in.	300	15.00	50.00	490.00
8/10 in.	250	20.00	80.00	750.00
9/10 in.	200	18.00	90.00	850.00

STEPHENS HARRISII.

5/7"	400	\$12.00 cash, \$15.00 per case on credit.
6/7"	335	13.00 cash, 14.00 per case on credit.
7/9"	200	15.00 cash, 16.00 per case on credit.

Prices on other sizes and varieties upon application. All prices duty paid, f.o.b. New York. Japan bulbs for fall shipment can also be delivered at same prices, f.o.b. Chicago, Cincinnati, Pittsburgh, Memphis, or Pacific Ports. Send for the Book of Bulbology.



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But How Good

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to order for the Trade only, PLANTS and BULBS from Europe and Japan. Spring or Fall Delivery. Address with business card

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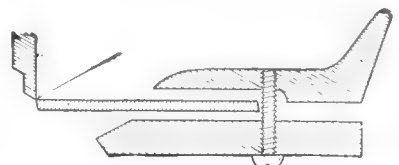
JAPANESE LILIES

LILY OF THE VALLEY PIPS

PALMS, AZALEAS, &c.

11 Warren Street, New York, N. Y.

Write for quotations



**Make Your Old Lawn Mower
a New One for \$1.00 By
The Rowe Method**

No more tinkering with files and emery. Takes the place of sharpening. Four cutting edges. Use it on any side. Slips in between the old worn stationary knife and casting, in front of the screws, no holes in this blade. Can be applied by anyone in a few minutes. When once placed on mower does away with complicated adjustment. Upon receipt of \$1.00, sent by mail to any address. Simple instructions (how to apply) sent with each blade. In ordering give name of your lawn mower and state width of cut.

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lignant type of rheumatism contracted while at the front, is worthy of our emulation.

Resolved, That this Association extends to the bereaved family its unanimous testimonial of sympathy in their grief and it mourns with them in their inexpressible sorrow; and be it further

Resolved, That these resolutions be spread upon the minutes of this convention, be published in the several trade journals and that a copy suitably engrossed, be presented to the family.

H. L. HOLMES,
CHAS. N. PAGE,
J. C. ROBINSON,
Committee.

Wholesale Grass Seed Dealers' Association.

Simultaneously with the convention of the American Seed Trade Association at the Hotel Sherman, Chicago, Ill., June 25-27, 1912, there was held a meeting of the Wholesale Grass Seed Dealers' Association, at which routine business was transacted and officers elected. The following new members were elected: W. A. Simpson & Company, Baltimore, Md.; S. M. Isbell & Company, Jackson, Mich., and L. Teweles & Co., Milwaukee, Wis.

Officers elected were: President, A. E. Reynolds, Crawfordsville, Ind.; vice-president, Charles D. Boyles, Chicago, Ill.; secretary-treasurer, William G. Scarlett, Baltimore, Md.; directors for term expiring 1915, D. I. Bushnell, St. Louis, Mo.; J. Charles McCullough, Cincinnati, O.; C. C. Massie, Minneapolis, Minn.

As many of the members of this association are also members of the American Seed Trade Association it was decided to hold the annual meeting in 1913 during the same week and at the same place with 31st annual convention of the American Seed Trade Association; but in order to avoid confusion between the two meetings it was decided by the board of directors of the Wholesale Grass Seed Dealers' Association that they would hold their 1913 meeting one day in advance of the A. S. T. A. Measures were taken looking toward the establishment of a board of arbitration. This matter was referred to the board of directors, and is expected to be productive of excellent results.

Notes.

Private advices from Howard M. Earl report him at Nimes, June 18th, just starting in to review the French crops.

W. J. Smart, late of Watkins & Simpson, London, Eng., is now with Arthur T. Boddington in the flower seed department.

Dallas, Texas.—E. H. R. Green's in-

PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

Write for Prices

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

HIGH GRADE SEASONABLE FLORISTS SEED. LATEST CROP.

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Place Your Order Now For
AYRES' WINTER FLOWERING
SWEET PEA SEED

For Fall Delivery

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

Sunnyslope

Independence, Mo.

Burpee's Seeds PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

POINSETTIAS 2 1-2 in. strong, \$5 per 100;
CYCLAMEN SEED \$45 per 1000
PANSY SEED, the celebrated English
home-grown, finest giant strain, \$9 per 1000
Send for Catalogue.

S. S. SKIDELSKY & CO.
1215 Betz Bldg. Philadelphia.

terest in the Green Floral Co., has been purchased by Seth Miller, formerly with the Texas Seed & Floral Co.

Pittsfield, Mass.—A new firm, Francis & McClatchey, are about to begin a seed and implement business here. They will occupy the store and warehouse in Mill's block, North street, now occupied by W. D. B. Mead.

Peter Henderson's New York store which has lately been so gay with peonies is now showing Japanese iris, sweet william and canterbury bells. The latter have attracted more than passing interest, containing as they did, flowers of exceptional size and color.

SCOTCH SOOT

Imported

For slugs and other parasites
112 lb. Bag, \$3.00

WM. ELLIOTT & SONS,
42 Vesey St., New York

WEEBER & DON'S

XX Retarded Berlin (Cold Storage)

LILY OF THE VALLEY PIPS

In Boxes

250 \$4.50 500 \$8.50 1000 \$16.00

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Seed Merchants and Growers,
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Watermelon and Muskmelon Seeds

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FLOWER SEEDS

For Early Sowing

Price List for the Asking

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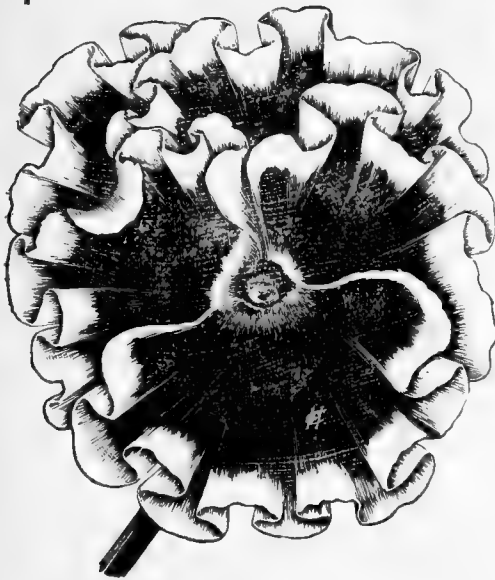
231-235 W. Madison St., CHICAGO

VEGETABLE PLANTS

CABBAGE. Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Sure-head, etc., at \$1.00 per 1000; 10,000 and over 85 cts. per 1000.

CASH WITH ORDER

R. VINCENT, Jr. & SONS CO., WHITE MARSH, MD.



MICHELL'S PANSY SEEDS

Chestnut Hill, Pa., May 25, 1912.
To prove quality to myself I have been making tests of various sowings of Pansy seed bought from different firms in this country and in England. Am pleased to be able to say, "Your Giant Exhibition Strain of Pansy is by far the best." They are simply magnificent in color and size and have a good long stem. They are far ahead of any other. Thinking this might interest you, I am penning these lines.

Yours very truly,
STEPHEN AGER.

MICHELL'S GIANT EXHIBITION PANSY

All the eloquence of our pen could not add a single word to the above unsolicited testimonial which would help to state more clearly the facts of this "distinctive" strain of pansies.

30c per ½ Trade Pkt.; Full Trade Pkt., 50c;
75c per ⅛ oz.; per oz., \$5.00

Also all other standard strains in mixtures and separate colors.
Our Wholesale Catalogue mailed upon request.

HENRY F. MICHELL CO.
518 MARKET ST., PHILA., PA.

PAEONIES

Our list for Autumn
1 2—Spring 1913
is now ready, con-
taining many choice
varieties not listed
elsewhere.

Free on applicati n

R. & J. FARQUHAR & CO.
Boston, Mass.

BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.
Props.
37 East 19th St., - NEW YORK CITY

Best French Seeds
MY SPECIALTY
Improved Big Boston Lettuce, Cabbage,
Cauliflower, Carrots, Beet, Curled Batavian
Endive, Romaine, Leek, Kale (extra), Onion,
Radish (Scarlet Globe), Spinach, Swiss
Chard, etc. Write for prices.
Postal cards not answered.
BEAULIEU, - Woodhaven, N. Y.



**Vick Quality Seeds,
Plants, Bulbs**

ASK FOR
Wholesale Catalogue
JAMES VICK'S SONS,
Seedsman
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TOMATO SEED
BEST STOCKS. ALL VARIETIES.
The Haven Seed Co.
Growers for Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

PRINTING Fruitmen, Horticultur-
ists and Poultrymen
should get their print-
ing done by specialists. Write for prices
to **THE REX CO.,** Harrisburg, Pa.

*In ordering goods please add "I saw it
in HORTICULTURE."*

*Thorburn's
Seeds*

Asparagus Plumosus Nanus

New crop seed expected in a
week or so.

Elephant's Ears, (Caladium esculentum)
Good bulbs, 7-9 inches circum-
ference.. \$2.50 per 100. Cash
with order. Only a few left.

A Few Cases

**Longiflorums, Multiflorums, Gigan-
teums, and Lily of the Valley Pips**
in cold storage.

Write For Prices

J. M. THORBURN & CO
33 Barclay Street, - NEW YORK

...THE...

J. C. Robinson Seed Co.
Waterloo, Neb.
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Contract growers of Cucumber, Can-
taloupe, Watermelon, Squash and
Pumpkin Seed; Sugar, Flint and
Field Seed Corns.

J. BOLGIANO & SON
WHOLESALE FIELD AND GARDEN SEEDS
Established 1818
Write For Our Low Prices
LIGHT, PRATT and ELLICOTT STS.
BALTIMORE, MD.

CHOICE SEEDS
FOR PRESENT PLANTING
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STEAMER DEPARTURES

Allan.
Parisian, Boston-Glasgow....July 10
American.
Philadelphia, N. Y.-S'hampt'n....July 13
New York, N. Y.-S'hampton....July 20
Atlantic Transport.
Minnewaska, N. Y.-London....July 13
Minneapolis, N. Y.-London....July 20
Cunard.
Franconia, Boston-Liverpool....July 9
Lusitania, N. Y.-Liverpo. l....July 10
Carmania, N. Y.-Liverpool....July 13
Campania, N. Y.-Liverpool....July 17
Hamburg-American.
Amerika, N. Y.-Hamburg....July 11
Pres. Lincoln, N. Y.-Hamb'g....July 18
Holland-America.
Potsdam, N. Y.-Rotterdam....July 9
New Amst'd'm, N. Y.-R't'dam....July 16
Leyland.
Bohemian, Boston-Liverpool....July 13
Devonian, Boston-Liverpool....July 20
North German Lloyd.
Kronp'n Cecille, N. Y.-B'm'n....July 9
G. Washington, N. Y.-B'm'n....July 13
Kronp. Wilhelm, N. Y.-B'm'n....July 16
Red Star.
Lapland, N. Y.-Antwerp....July 13
Kroonland, N. Y.-Antwerp....July 20
White Star.
Cedric, N. Y.-Liverpool....July 11
Canopic, Boston-Mediterr'n....July 13
Cymric, Boston-Liverpool....July 16

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Towns for Ready Reference.Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
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Amsterdam, N. Y.—John C. Hatcher.

Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edw. MacMulkin, 194 Boylston St.

Boston—Penn, the Florist, 37-43 Bromfield St.

Boston—Julius A. Zinn, 1 Park St.

Boston—Philip L. Carbone, 342 Boylston St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.

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Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Washington Sq.

New York—George M. Stumpp, 761 Fifth Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

Providence, R. I.—T. J. Johnston & Co., 171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main St. West.

Rochester, N. Y.—J. B. Keller & Sons, 25 Clinton Ave., N.

St. Paul—Holm & Olson, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F. St.

Wellesley, Mass.—Tailby.

Worcester, Mass.—H. F. A. Lange.

NEWS NOTES.

Des Moines, Ia.—The Rush Flower Co. is now located at 609 Locust street.

Donora, Pa.—The Donora Cash Flower Store will be discontinued, owing to the illness of the proprietor, E. A. Lutes.

Cincinnati—The Hill-Heller combination of Richmond and New Castle, Ind., will, according to an item in a local morning paper open up in this city on August first on Race street above Fifth.

If C. E. Critchell does not get many new members for the S. A. F. from this city it will not be his fault for as soon as someone mentions the convention or Chicago, Mr. Critchell promptly buttonholes him and gets his promise to join the national society.

Geo. Klotter of Pine Hill has been cutting very fine outdoor peas.

Callers—Mr. and Mrs. George Gause, Richmond, Ind.

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We have them in all stages. Some ready for delivery July 15th, others will be in good condition in August and September. You can place your order now, and we will ship them when you are ready for them. Complete list and quotations on request.

The Leo Niessen Co.

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To Cut Flower Growers and Retail Florists

IF YOU

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THOSE
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Everything in Flowers
Complete Stock of Florists' Greens,
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Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

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Cut Flowers All the Year Round
33-35-37 RANDOLPH STREET, CHICAGO
Greenhouses, Morton Grove, Ill.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON July 3	CHICAGO July 2	ST. LOUIS June 25	PHILA. July 2
Am. Beauty, Fancy and Special....	20.00 to 25.00	20.00 to 25.00	25.00 to 30.00	15.00 to 20.00
" " Extra.....	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00
" " No. 1.....	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00
" " Lower grades.....	1.00 to 4.00	1.00 to 4.00	1.00 to 4.00	1.00 to 4.00
Richmond, Fancy and Special.....	5.00 to 8.00	5.00 to 8.00	5.00 to 8.00	5.00 to 8.00
" " Lower Grades.....	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Killarney, Maryland, Fan. & Spl....	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
" " Low. Grades.....	.75 to 1.00	.75 to 1.00	.75 to 1.00	.75 to 1.00
Bride, 'Maid.....	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Taft, Hillingdon, Ward.....	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Kaiserin, Carnot.....	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
CARNATIONS, First Quality.....	.75 to 1.00	.75 to 1.00	.75 to 1.00	.75 to 1.00
" " Ordinary.....	.50 to .75	.50 to .75	.50 to .75	.50 to .75
MISCELLANEOUS				
Cattleyas.....	25.00 to 40.00	20.00 to 40.00	40.00 to 50.00	..... to 50.00
Lilies, Longiflorum.....	2.00 to 4.00	8.00 to 10.00	6.00 to 8.00	4.00 to 8.00
Lily of the Valley.....	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Peonies.....	..... to 3.00	3.00 to 6.00	..... to 2.00	..... to 4.00
Gladioli.....	2.00 to 3.00	4.00 to 8.00	5.00 to 8.00	4.00 to 6.00
Snapdragon.....	2.00 to 4.00	3.00 to 6.00	3.00 to 5.00	2.00 to 4.00
Mignonette.....	1.00 to 2.00	..... to 3.00	3.00 to 4.00	..... to 4.00
Daisies.....	.50 to 1.50	.50 to 1.50	.75 to 1.50	..... to 1.50
Sweet Peas.....	.25 to 1.00	.75 to 1.00	.25 to .40	.50 to .75
Gardenias.....	6.00 to 10.00	..... to 10.00	..... to 10.00	..... to 25.00
Adiantum.....	1.00 to 1.50	..... to .75	1.00 to 1.25	1.00 to 1.50
Smilax.....	12.00 to 15.00	15.00 to 20.00	12.00 to 15.00	12.50 to 15.00
Asparagus, Plumosus, Strings (100).....	50.00 to 50.00	50.00 to 75.00	35.00 to 50.00	35.00 to 50.00
" " & Spreng. (100 bchs.).....	35.00 to 50.00	25.00 to 50.00	15.00 to 25.00	35.00 to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

CHICAGO CARNATION COMPANY

A. T. PYFER, Manager

30 East Randolph Street, CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, CHICAGO



RHODE ISLAND REDS



Our grower is cutting freely of these Beauties—splendid, large, well colored buds, far superior to ordinary stock, all lengths, \$1.00 to \$3.00 per dozen.

DOUBLE WHITE KILLARNEY: the finest summer rose on the market, \$4.00 to \$8.00 per 100.

HEADQUARTERS FOR GREENS

Galax (green and bronze), \$1.50 per 1000; \$7.50 per 10,000. **Leucothoe Sprays** (bronze and green), \$1.00 per 100; \$9.00 per 1000. **Green Sheet Moss**, \$3.50 per bag. **Sphagnum Moss**, ten bbl. bales, burlapped, per bale, \$4.00; five-bale lots, \$3.75 per bale; ten-bale lots, \$3.50 per bale; twenty-five bale lots, \$3.25 per bale.

RIBBONS AND SUPPLIES: Many new patterns in exclusive Ribbons. Write us for prices on these and on Supplies

During July and August we will close at 5 P. M.

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA

NEW YORK

WASHINGTON

1608-1620 Ludlow St.

117 W. 28th St.

1212 New York Ave.

Flower Market Reports

BOSTON The inevitable midsummer dullness struck this market on regulation time July 1, and since then there has been very little doing. Roses of high grade are getting scarce and will be more so. Sweet peas are over-plentiful from out-door sources. Lilies are too numerous and there are enough cattleyas to fill all demands as the regular summer shipping trade has not yet started in. Carnations are not much called for. They sell very low although asters have not yet begun to come to this market. Peonies are finished up.

BUFFALO The days of the sweet graduate have past and the ending of June recorded a great number of weddings. During the month past there was no extreme shortage of the bridal flowers. The early part of the past week was a busy one for all but on Friday and Saturday business was not up to expectations. There were heavy receipts of peonies early in the week which caused carnations and other flowers to drop back a notch. Out-door sweet peas have come on so heavy that 10c. a bunch is the retail price advertised in the shop windows, together with carnations at a sacrifice price. There is a good supply of roses of all kinds including Beauties which are good and prices are reasonable. Gardenias are plentiful and no call; lily of the valley fine and has sold well; lilies also good and demand increased. Floral work was heavy in certain sections of the city caused by the fatal disaster which happened at a nearby summer resort in which some thirty-five lives were lost. The principal talk now is where is the picnic and where are you to spend your vacation.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI June 4		DETROIT June 11		BUFFALO July 2		PITTSBURG June 25	
	to	to	to	to	to	to	to	to
Am. Beauty, Fancy and Special....	25.00	to 35.00	25.00	to 30.00	15.00	to 20.00	20.00	to 25.00
“ “ Extra.....	15.00	to 20.00	20.00	to 25.00	10.00	to 15.00	15.00	to 18.00
“ “ No. 1.....	12.50	to 15.00	15.00	to 20.00	6.00	to 10.00	8.00	to 12.00
“ “ Lower grades.....	2.00	to 5.00	5.00	to 12.00	2.00	to 4.00	2.00	to 4.00
Richmond, Fancy and Special.....	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00
“ “ Lower Grades.....	2.00	to 4.00	4.00	to 6.00	3.00	to 4.00	3.00	to 4.00
Killarney, Maryland, Fan. & Spl....	6.00	to 8.00	6.00	to 8.00	5.00	to 6.00	6.00	to 8.00
“ “ Low. Grades.....	2.00	to 4.00	4.00	to 6.00	2.00	to 3.00	2.00	to 4.00
Bride, 'Maid.....	2.00	to 6.00	4.00	to 8.00	2.00	to 5.00	2.00	to 5.00
Taft, Hillingdon, Ward.....	.....	to	4.00	to 8.00	3.00	to 4.00	4.00	to 6.00
Kaiserin, Carnot.....	.....	to	4.00	to 8.00	3.00	to 8.00	4.00	to 6.00
CARNATIONS, First Quality.....	2.00	to 3.00	2.00	to 3.00	1.50	to 2.00	.....	to 2.00
“ “ Ordinary.....	1.00	to 1.50	1.00	to 2.00	1.00	to 1.50	1.00	to 1.50
MISCELLANEOUS								
Cattleyas.....	50.00	to 60.00	40.00	to 50.00	40.00	to 50.00	40.00	to 50.00
Lilies, Longiflorum.....	10.00	to 12.50	12.50	to 15.00	6.00	to 10.00	.....	to 8.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Peonies.....	.....	to .....	.....	to	2.00	to 4.00	.....	to
Gladioli.....	.....	to	3.00	to 8.00	3.00	to 5.00	4.00	to 8.00
Snappdragon.....	1.00	to 2.00	.....	to	3.00	to 4.00	.....	to
Mignonette.....	4.00	to 5.00	3.00	to 4.00	.....	to .....	.....	to
Daisies.....	.....	to .....	.50	to .75	.50	to 1.00	.....	to 1.00
Sweet Peas.....	.25	to .60	.50	to .75	.25	to .50	.50	to 1.00
Gardenias.....	.....	to .....	.....	to 25.00	6.00	to 10.00	.....	to
Adiantum.....	1.00	to 1.25	1.00	to 1.50	.75	to 1.50	1.00	to 1.25
Smilax.....	12.50	to 15.00	12.50	to 15.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, Strings (100)	35.00	to 50.00	20.00	to 30.00	40.00	to 50.00	.....	to 25.00
“ “ & Spren. (100 bchs.)	25.00	to 35.00	20.00	to 30.00	25.00	to 35.00	30.00	to 50.00

The month of June kept **CHICAGO** up its record for good sales till the last, closing with genuine summer weather which did not in the least interfere with trade. The first day of July found local sales very slow though the shipping trade held good and there was plenty of scurrying round after first-class stock. There is no scarcity along any line but there is only a limited supply of really good carnations, roses or peonies. Some fine carnations are to be had for the season but each week the supply is less and there are more good white ones this week than colored. Of peonies the poor ones far outnumber the good also but there are enough first-class ones to go around. The really good peonies sell for fifty cents per dozen while the others sell all the way down to five cents per dozen. Asparagus sprays are more abundant than can be used while smilax continues scarce.

June proved to be a very good month in a business way. The commencement demand locally fell off somewhat but this loss was more than offset by the heavy shipping. The call for flowers and accessories for the blushing June brides held its own. This was especially true at the close of the month. The opening of the strictly summer months shows a fair supply of roses of all kinds, including Beauties. All have been selling nicely, especially the last named. More carnations arrive than can be readily utilized. The lily market seems to be in better shape than at the last writing. Gladioli and asters sell well. Lily of the valley has been cleaning up. Shasta daisies, however, are not among the good sellers. They are not as popular this year as they were other years at this time. Ferns are enjoying a good call.

(Continued on page 2.)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
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Last Half of Week
ending June 29
1912

First Half of Week
beginning July 1
1912

6.00 to 20.00	6.00 to 20.00
5.00 to 8.00	5.00 to 8.00
2.00 to 6.00	2.00 to 6.00
1.00 to 2.00	1.00 to 2.00
2.00 to 6.00	2.00 to 6.00
.50 to 1.00	.50 to 1.00
2.00 to 6.00	2.00 to 6.00
.50 to 1.00	.50 to 1.00
.50 to 1.00	.50 to 1.00
1.00 to 6.00	1.00 to 6.00
2.00 to 6.00	2.00 to 6.00
2.00 to 3.00	2.00 to 3.00
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Flower Market Reports

(Continued from page 21)

PHILADELPHIA Market conditions here are about as good as could be expected for this season of the year. The only feature that differs is the better quality of the flowers offered. This gratifying condition does not seem to affect trade nor prices in the least. The crop of American Beauty roses fell off slightly and the offerings of these were as a rule fairly well marketed, but all other roses were in over supply. The quality of all roses is good as compared with carnations. The latter were distinctly in the discard—and good asters were generally preferred. A dull and featureless market characterizes all other stocks. Tremendous glut of sweet peas, with much poor stock—soft, flabby—very few bright, hard flowers with substance. Market much too long on all kinds of greens.

ST. LOUIS The week just passed was a good one, in fact for the whole month of June fine business was reported from all parts of the city. Summer dullness will prevail from now on. Stock as seen at the different wholesale houses during the past week is of extra good quality, roses and carnations holding up well. Outdoor peas and gladioli are now in, also a large lot of outdoor cut roses. These are expected to fill up our market for the next month and then the big cut of asters will come along. The large number of weddings has daily cleaned up the supply of lily of the valley. Adiantum asparagus and smilax sold well all week.

Detroit—Locally we have had a very brisk demand for cut flowers, particu-

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending June 29 1912		First Half of Week beginning July 1 1912	
Cattleyas	15.00	to 40.00	15.00	to 40.00
Deandrobium formosum	30.00	to 25.00	20.00	to 25.00
Lilies, Longiflorum	2.00	to 3.00	2.00	to 3.00
" Speciosum	2.00	to 3.00	2.00	to 3.00
Lily of the Valley	1.00	to 3.00	1.00	to 3.00
Peonies	2.00	to 3.00	2.00	to 4.00
Snaptagon	1.00	to 3.00	1.00	to 3.00
Mignonette .....	.50	to 1.00	.50	to 1.00
Daisies .....	.50	to 1.00	.50	to 1.00
Sweet Peas (per 100 bunches)	2.00	to 6.00	2.00	to 6.00
Gardenias	10.00	to 25.00	10.00	to 25.00
Adiantum .....	.75	to 1.00	.75	to 1.00
Smilax	12.00	to 15.00	12.00	to 15.00
Asparagus Plumosus, strings	15.00	to 35.00	15.00	to 40.00
" & Spren (100 bunches)	15.00	to 25.00	15.00	to 25.00

larly for bridal bouquets. Even though there was a strong steady demand during the week the accumulation in the wholesale houses was enormous and worst of all fared the Liliun longiflorum.

Washington—Business during the past week has been about the same as previously reported. There is plenty of stock, most of which is poor, although some of it shows signs of improvement, but there is not enough demand to clear it all off at profitable prices. The heat followed by so much rainy and dark weather has raised havoc with the foliage of roses making it very rusty looking.

NEW YORK NOTES.

Richard Vincent, Jr., and wife arrived from Europe on the 30th ulto.

G. V. Nash of the Botanical Gardens, Bronx, is taking his vacation at Spokane.

Arthur T. Boddington will be represented at Asbury Park show by Herbert B. Buck.

Condon of Brooklyn did the planting at Brighton Beach this season and it does him no little credit.

Harry A. Bunyard attends the meeting of the Sweet Pea Society executive committee at Boston on the 6th inst.

W. H. Waite is again in charge of Greystone, the fine estate of Samuel Untermyer at Yonkers. For the past two years Mr. Waite has been in Chicago.

At the B. Soltan Fernery, Jersey City, the seedlings (about 5000 boxes) are coming on apace. Apart from the ferns, Kentias, Phoenix Roebelenii and Asparagus plumosus nanus form quite a big item in this nursery.

Anton Schultheis of College Point is breaking up a goodly area of fresh

ground which will soon be under cultivation—maiden soil of first rate quality with natural drainage, which should give him fine results. This with an addition of two new greenhouses indicates a flourishing state of business.

The Bloodgood Department of the American Nursery Co. has most of their new land comprising over 100 acres, now in good trim. This addition is planted mostly with shade and ornamental trees. This company has now in the neighborhood of 500 acres under cultivation and additional plantings going in each season.

Swarthmore, Pa.—The greenhouses of J. L. Day have been purchased by Schilder & Lefebvre.

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GUTTERS

King Construction Co., N. Tonawanda, N. Y.

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IRON GUTTER.

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In writing to Advertisers kindly mention Horticulture

IVIES

English Ivy, strong, at \$8.00 and \$12.00 per 100. C. Winterlich, Defiance, O.

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MARGUERITES

Unrooted Alexandra marguerites, \$1.00 per 100. Winter flowering yellow marguerites, the right kind: unrooted, \$2.00 per 100; rooted, \$4.00 per 100. Cash. A. E. Monroe, Wellesley Farms, Mass.

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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
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Importer, Exporter, Growers, Hybridists.
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Orchid Plants, fresh importations, best
commercial varieties, reasonable price.
John De Buck, care of Maltus & Ware, 14
Stone St., New York City.

ORCHID GROWERS' MANUAL.

By B. S. Williams, 300 illustrations, 800
pages; descriptions of upwards of 2500
species and varieties of orchidaceous plants,
etc. The most complete work on Orchids
and Orchid Culture ever published. Price
\$10.00.

Orders filled by HORTICULTURE, 11
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PALMS, ETC.

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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
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PEONIES.

Peonies. The world's greatest collection,
1200 sorts. Send for list. C. Betscher
Canal Dover, O.

Peonies—The best French collections.
Catalogues free. Dessert, Peony Specialist,
Chenonceaux, France.

PLANT AND BULB IMPORTS.

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PLANT TRELLISES AND STAKES**NON-METALLIC PLANT TRELLISES**

AND STICKS.
We manufacture the most artistic and
substantial Trellises on the market. Our
Plant Sticks are best for all occasions,
being very strong. Write for illustrated
circular. Established in 1860.
P. A. ANGLIER & CO., Westboro, Mass.

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

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Pot hangers, Kramer's \$1 doz. by exp.
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Asparagus Plumosus Nanus seeds now ready, per 1000, \$2.25; lots up to 5000, \$2.00 per 1000. Peter Mack, Box 172, Orlando, Fla.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

STOVE PLANTS

Orchids—Largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

STRAWBERRY PLANTS

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CELERY AND CABBAGE PLANTS—
300,000 Golden Self-Blanching White Plume and Pascal plants, 4 and 5 in. high.
100,000 cabbage, ready for field, leading varieties. Let me know your wants and I will quote you special low prices. W. C. Lester, wholesale grower, Plainville, Conn.

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Vinca variegata, strong clumps, 4 inch, \$6.00 per 100; 2 inch, in pots, \$2.00 per 100. Asparagus Sprengeri, 2½ inch, in pots, \$2.50 per 100. Ruxton Floral & Nursery Co., Ruxton, Md.

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A NEW VOLUME

Vol. 16 of HORTICULTURE begins with this issue and now is the time to subscribe. If you are not already on our subscription list, send \$1.00 for the coming year, or 50 cents to January 1, 1913.

We do not need to dilate on HORTICULTURE'S worth. It's contents are sufficient evidence. The recognition it is constantly receiving in new subscribers shows the strong hold it has gained in the esteem and good will of the horticultural profession.

Send in Your Name

writing to Advertisers kindly mention **Horticulture**

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Orders for the Peerless Brown magnolia leaves as supplied by Rice are coming in thick and fast—even in the dull season. We are kind of sorry for ourselves for being in the grass seed business at present!

DeForrest Ludwig, of Pittsburgh, who has just graduated from Cornell University, was a visitor last week at the "House of Rice," and was entertained by Bernard Eschner at his home in Elkins Park.

A new recruit in the ever-increasing growers' list is William F. Taubel, Riverside, N. J. He is erecting two houses and will grow carnations, lily of the valley and similar subjects. James Kenney is the superintendent. We wish we were able to chronicle from week to week as many new agencies for distribution as for production. On the contrary our sad task is always to announce a few more retail outlets closed up. The crying evil of the day too much production and not enough distribution. The latter is by far the most difficult problem. Yet most growers are fatuous enough to ignore this first and foremost factor to their success entirely.

The presence in town of Hugh Dickson on his return from his visit to California was taken advantage of by a party of his Philadelphia friends to extend a little entertainment, which took the form of an auto ride to various points of interest, including Wis-sahickon Drive, Wescott's green-houses, Fairmount Park, Cortside Inn, The Wannamaker, Newbold and Widener estates and Wyndmoor. John Burton and George Burton provided the autos and the other members of the party were Hugh Dickson, A. B. Scott, George C. Watson, S. S. Pen-nock, Robert Kift and John Westcott. It was a delightful affair. Mr. Dickson sails for England on July 6.

Visitors: John Wolf, Savannah, Ga., accompanied by his son (on re-turn from European trip); J. L. Whipp, sec. and treas. Mills, the Flor-ist, Inc., Jacksonville, Fla.; Robert Pyle, West Grove, Pa.; N. J. Hagman, Hagman Greenhouse Co., Clarksburg, W. Va.; H. L. Holmes, Harrisburg, Pa.; Hugh Dickson, Belfast, Ireland; W. F. Fancourt, Farm School, Pa.; John A. Cook, Beverly, N. J.; E. W. Kohr, Lancaster, Pa.; Jacob H. Weaver, Witmer, Pa.

On Tuesday, July 2, occurred the great annual summer outing of the New York Florists' Club. The weather was superb, the crowd large and en-thusiastic, the competition for the prizes offered in the various games vigorous, and the committee deserves

Bring Back the Birds



While you are working out your ideal in the garden, why not provide a home for the birds that help to make life in the country really worth while? A rustic house placed in a tree or on a pole will make an ex-

cellent home for the birds and add to the attractive-ness of the surroundings. We have them in all sizes and shapes to suit any style of archi-tecture.

LOG CABIN NO. 1	10 Inches Wide	\$1.50
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Two-Family	14 Inches High	
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My N. River Boulevard Greenhouse property for sale or improvement. Lease for term of years. 20 acres, including im-provements, 8 buildings and personal prop-erty; water and steam heat for 10,000 feet. Situated between Kansas City and Inde-pendence, with all city advantages of water and cars. Address D. P. HATCH, Independence, Mo.

FOR SALE—Ford top delivery car; been used. Good bargain. Chas. Millang, 57 West Twenty-sixth Street, New York City.

RETAIL STORE complete, for sale, at big bargain. Splendid location, trade well established. Must sell. 921 N. Kingshigh-way, St. Louis, Mo.

FOR SALE—Second hand flange; valves, from 2 to 6 in., in good condition, also a low-pressure steam pump. D. Iliffe, 256 Franklin St., Boston, Mass.

FOR SALE—Office and lot connecting greenhouses, one acre rich productive land, corner two streets. Good location for wholesale or retail trade. Owner has other business. L. E. Bennett, Wakefield, Mass

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE—In Sharon, Mass., 18 acre farm, good buildings, two greenhouses, on Main street. Fine place for wholesale florist or market gardener. For full particu-lars, address E. G. Blaney, Swampscott, Mass

much praise for the thoroughness of the preparations. Full account next week.

F. H. Traendly, 131 West 28th street, New York, is arranging for the special train, New York to Chicago, S. A. F. Convention. It will be a large party and all comfort and convenience for the participants, including ladies, will be provided. Write Mr. Traendly for particulars if you are in his territory or route.

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CAMBRIDGE, MASS.**GREENHOUSES BUILDING OR CON-
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Oakdale, N. Y.—Seymour Burr, one house.

Evansville, Ind.—Louis Fritsch, additions.

Davenport, Ia.—Charles Hummell, addition.

Lowellville, O.—Erskine Garden Co., three houses.

Center Square, Pa.—Miss Mollie Smith, one house.

Nyack, N. Y.—August and Andrew Sauter, house 40 x 100.

Niles, O.—C. L. Adgate, rebuilding houses damaged by fire.

Riverside, N. J.—William F. Taubel, two houses, each 28 x 100.

Ogden, Utah.—State School for the Deaf and Blind, house 22 x 55.

Worcester, Mass.—O. S. Walker & Co., Clinton avenue, one house.

Riverside, N. J.—W. F. Taubel, two houses, 29 x 100, Foley material.

Duluth, Minn.—William H. E. Knapp, one house, office and residence.

Whitinsville, Mass.—Arthur F. Whitin, additions to conservatories.

Sioux Falls, S. D.—William Johns & Son, South Minnesota avenue, one house.

Philadelphia, Pa.—Gustave Koethe, 523 Martin street, Roxboro, house 22 x 100.

M. C. Wright, Philadelphia manager for Lord & Burnham Co., reports contracts received at his office as follows:

Germantown, Phila., Pa.—Mrs. R. J. Montgomery, iron frame conservatory.

Roland Park, Md.—Dr. Hugh H. Young, material for iron frame house 18 x 85 ft.

Warrenton, Va.—Miss Annie C. Spilman, material for curved eaves iron frame house.

Gap, Pa.—J. Rutter Hess, material for pipe frame house, 17 x 160 ft.

Scranton, Pa.—The Davis Floral Company, material for pipe frame greenhouse 15 x 160 ft.

Kennett Square, Pa.—Chas. D. Walter, material for pipe frame greenhouse 35 x 100 ft.

Macon, Ga.—Idle Hour Nurseries, material for pipe frame greenhouse 12 x 120 ft.

Greensboro, N. C.—Howard Gardner, material for pipe frame greenhouse 11 x 100 ft.

Kinston, N. C.—Mr. Kleber Denmark, material for pipe frame greenhouse, 20 x 50 ft.

Warrenton, Va.—Mrs. Robert Drysdale, material for pipe frame conservatory.

Also material for pipe frame greenhouses for: Chas. Hartley, Wyndmoor, Pa.; Wm. Le Gierse, Philadelphia, Pa.; H. C. Marchant, Mt. Airy, Philadelphia, Pa.; Harry R. Brown,

Lynchburg, Va.; Chas. A. Moss, Spartanburg, S. C.

INCORPORATED.

Columbus, Ohio—Art Floral Co., capital stock \$5,000.

Chicago, Ill.—M. Winandy & Co., greenhouse building and heating. Incorporators, Thomas McEnerny, Nicholas V. Fischer, Michael Koch.

St. Albans, Vt.—Articles of association have been filed by the Connecticut Valley Orchard Co., to deal in nursery stock, fertilizers, etc. Capital stock \$50,000.

Welch Bros., Boston, have incorporated their business under the title of Welch Bros. Company, as a Massachusetts corporation. Officers, P. Welch, president; E. J. Welch, vice-president; David Welch, treasurer.

ST. LOUIS NOTES.

W. J. Pilcher has a field of 30,000 gladioli, the varieties being America, Augusta and May.

Edward Westmann has opened a retail flower store at 3166 South Grand avenue. Mr. Westmann has been for the past six years in the employ of Fred H. Weber. The defunct Kohrs Floral Co. opened the store about a year ago.

The committee consisting of Messrs. Weber, Guy Young and Ossick, who have charge of the Florist Club's outing on July 17th have completed all arrangements for the outing which will be held this year at Preister's Park near Belleville, Ill.

Visitors: Horace Cheesman of Vaughan's Seed Store, Chicago; Guy Reyburn of A. Henderson Co., Chicago, and Mr. Strange, representing S. S. Skidelsky, Philadelphia.

CLUB AND SOCIETY NOTES.

The sweet pea show of the Penna. Horticultural Society on Tuesday afternoon, July 2, was a good one, notwithstanding that many of the important exhibitors confined their attentions to the show at Asbury Park. Particulars later.

The St. Louis Florist Club will hold its regular monthly meeting on Thursday afternoon, July 11th, when the nomination of officers will take place. Secretary Beneke says that the competition for the presidency will be large and as there is perfect harmony no bolt is expected after the nomination.

At the monthly meeting of the Florists' Club of Phila. on Tuesday evening, July 2, Robert Pyle gave an interesting lecture on roses, illustrated with stereopticon slides, at the club rooms. Many ladies were present. John Westcott was appointed chairman of transportation committee and George C. Watson of hotel committee for the trip to Chicago in August.

**DREER'S**Florist Specialties.
New Brand New Style.
Hose "RIVINGTON"
Furnished in lengths up to 500 ft. without seam or joint.The HOSE for the FLOWERS
4-inch, per ft., 15 c.
Roel of 500 ft., 14 1/2 c.
2-inch, 1000 ft., 14 c.
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Roel, 500 ft., 13 1/2 c.
Couplings furnished.HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.**1000 READY PACKED CRATES****STANDARD FLOWER POTS AND BULB PANS**

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2000 1 1/4 in. @ \$6.00	500 4 in. @ \$4.50
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1500 2 1/4 " " 5.25	320 5 " " 4.51
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FIRE RECORD.

Bristol, R. I.—The greenhouse of Thomas Brightman was damaged by fire on May 29.

Cotuit, Mass.—Fire destroyed the boiler house and office of the Cotuit Greenhouse on June 21. The adjoining greenhouses were somewhat damaged.

Chicago, Ill.—The upper floor of the building occupied by Paul Bloome & Co., 1361 North Clark street, was destroyed by fire on June 23. The lower floors were damaged by water. The damage is stated to be fully covered by insurance.

Holliston, Mass.—The establishment of the Eastern Nurseries here was almost completely wiped out by a fire which started in the barn on Sunday afternoon, June 30, and spread with great rapidity, consuming barn, dwelling house, two greenhouses and contents, frames, etc., and ruined stock in the field for a long distance. Among the plants destroyed were many valuable and new things of much intrinsic value. Harry Dawson, the manager, who was on his wedding trip, was called home by telegraph. Much sympathy is felt for the proprietors. The amount of loss is in the vicinity of \$20,000. Insurance covered the buildings only. George Petfield, the gardener, who occupied the dwelling house, had only time to save his wife and children from the flames and lost all his belongings, including his library.

NEWS NOTES.

Rockford, Ill.—Leake & Offord have purchased the Dempsey greenhouse, 1010 Corbet street.

Grand Rapids, Wis.—The greenhouses of W. L. Scott have been rented by Wm. Giebels.

Allentown, Pa.—Ernest Ashley, florist and seedsman, has moved to his new greenhouses on the East Side.


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Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

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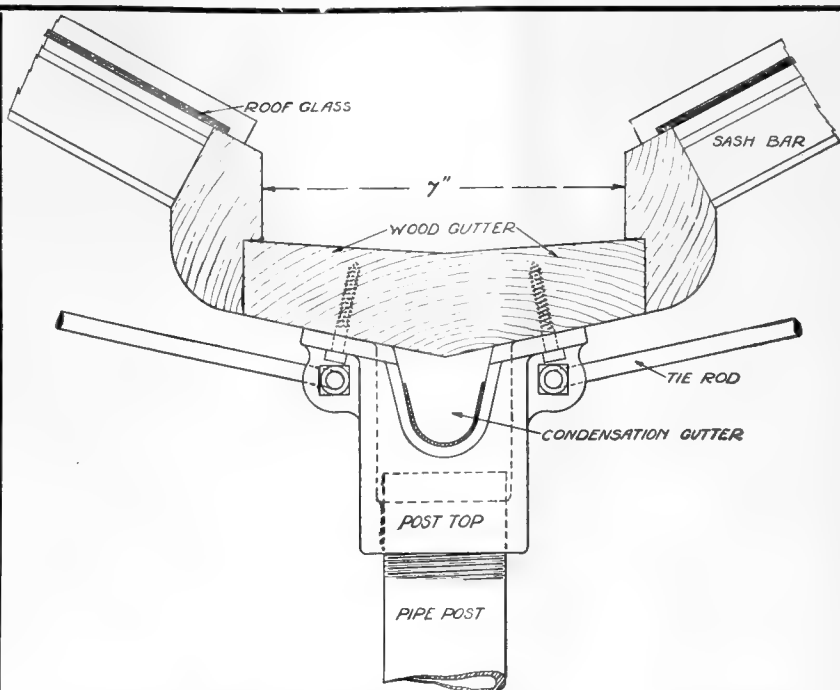
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WE WANT YOU TO KNOW THAT WE HAVE A WOOD GUTTER, AND A GOOD ONE TOO. IT COMBINES ALL THE GOOD POINTS OF OTHER WOOD GUTTERS "AND THEN SOME"

NOTE THAT THE CONDENSATION AND DRIP RUN DOWN THE SIDES AND SLOPING BOTTOM TO A DRIP PAN PLACED UNDER THE GUTTER WHERE IT MAKES NO SHADE

WE KNOW IT WILL DO THAT, FOR WE HAVE TRIED IT. THIS GUTTER LEADS ITSELF TO AN OUTSIDE WALL AS AN EAVE MOST ADMIRABLY

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ON ANY GREENHOUSE PROJECT YOU HAVE IN MIND, WE MAY GIVE YOU IDEAS AND YOU WILL SEE

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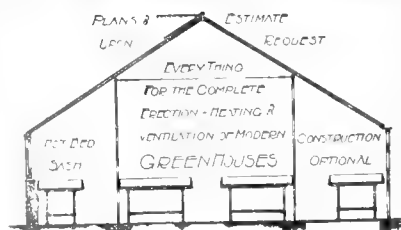
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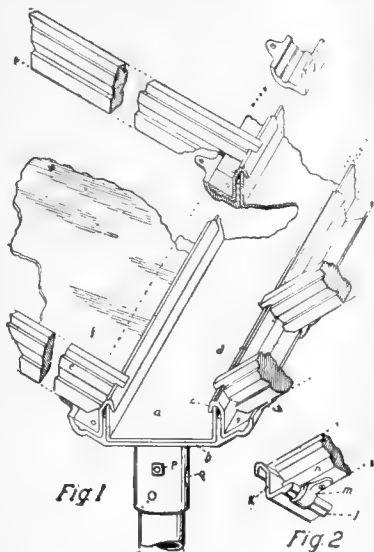
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Metropolitan Patent IRON GUTTER

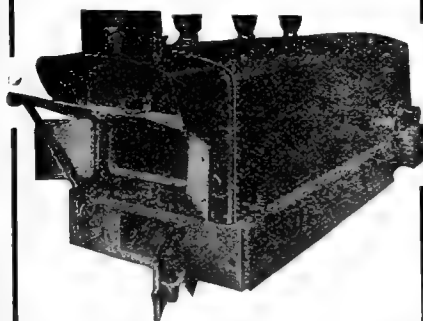


One of the features of this Gutter is that it can be put up in wrought iron any lengths (without boring holes), by bolting the Gutter together and screwing clip to the roof bars, for any size glass.

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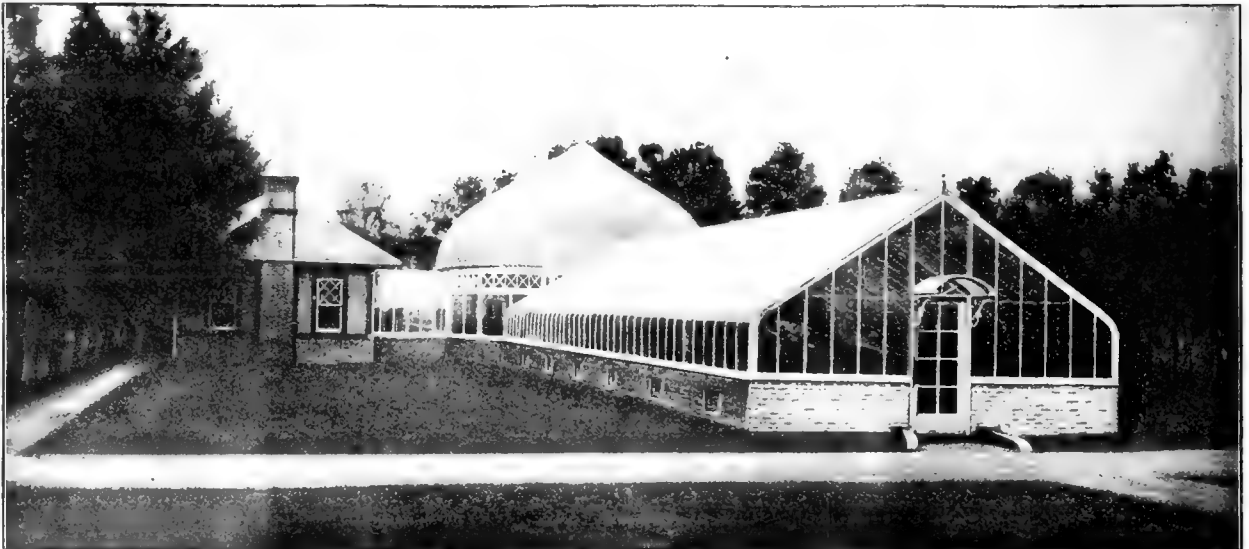


A roofed over walk about four feet long connects the work room and the residence. It is really entirely separate, yet when so connected, is reachable in practically any kind of weather. Many a small house so started has led to larger ones, simply because of the genuine personal pleasure it made so easily possible for the owner. There is a thought in that for you gardeners. But the really big thought is — the U-Bar. Be sure your house is going to be the U-Bar and not simply a curved eave house that looks something like it. Send for catalog.

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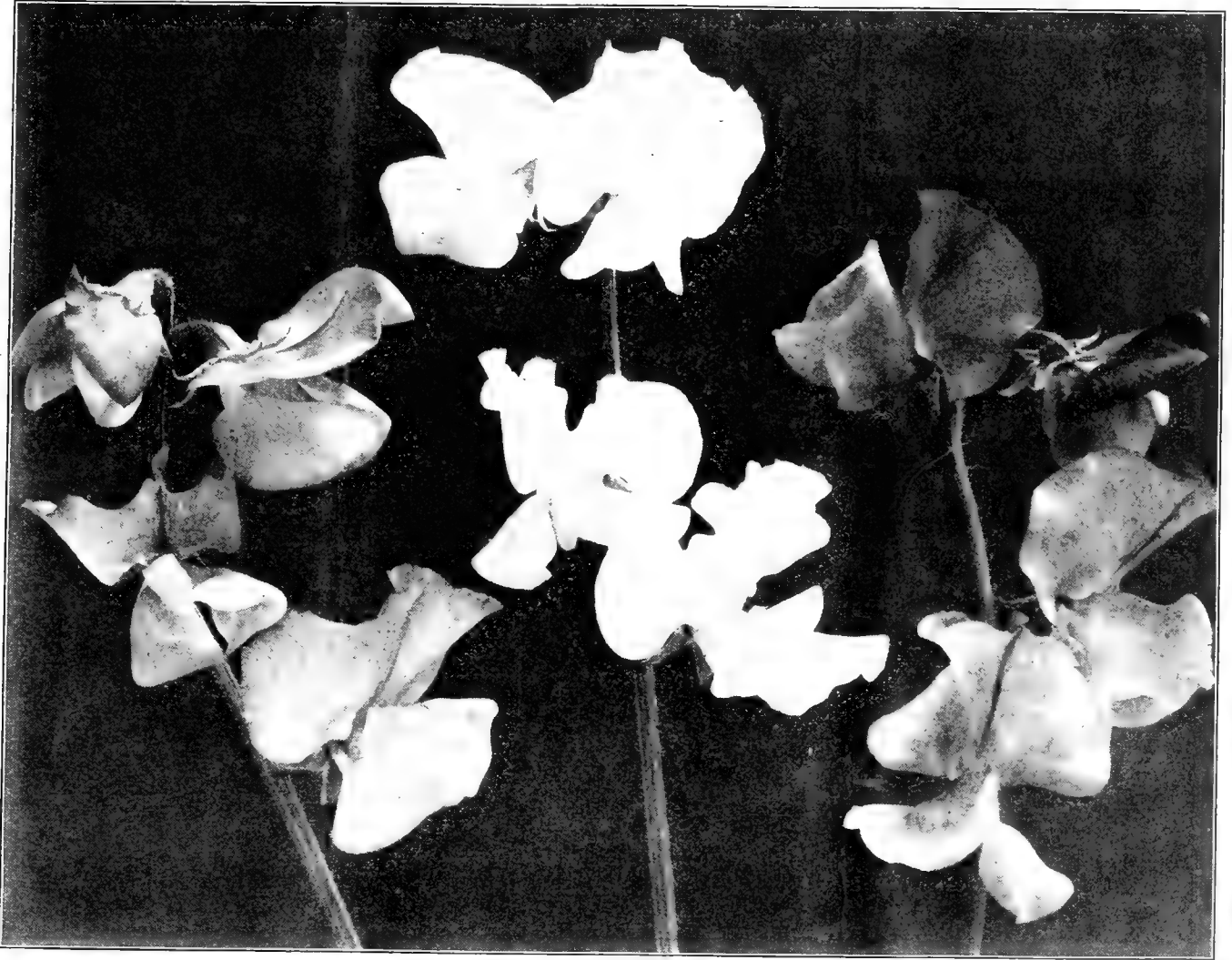
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HORTICULTURE

Vol. XVI.

JULY 13, 1912

No. 2



Melba

Dobbies Lavender George Herbert.

Mark's Ley

THREE PRIZE-WINNING SWEET PEA NOVELTIES AT THE INTERNATIONAL HORTICULTURAL EXHIBITION

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Extra large specimens in half-barrels, \$5.00 and \$7.50 each.

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Best assorted varieties in 5-in. and 6-in. pots, \$6.00, \$9.00 and \$12.00 per dozen.

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7-9 inch bulbs; case lots of 30.

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MAGNIFICA, **MUSCOSA**, **ELEGANTISSIMA COMPACTA**, 3½-in. pots, 25c. ea.

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Special Sale to close out. Fresh imported

Cattleya Trianae **Cattleya Mossiae**
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Prices very reasonable. Write to

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Hydrangeas

Young hydrangeas that you are growing under continuous pot culture should have very strict attention as to watering as they dry out very soon this weather. They should be shifted as the pots become filled with roots, and never allowed to become potbound until their flowering size is reached. It is better to have them in 6 and 8-inch pots for forcing. These plants are great feeders. A fibrous loam, two parts, well decayed cow manure, one part, and a good sprinkling of bone meal will make a mixture to their liking. The pots should be plunged outside up to the rims in a good sunny place where they can make abundance of flowering wood. They should always have water in great abundance during the summer or they are bound to receive a check that will tell later on. The principal point to attain in their culture is to get a strong growth during the summer, and, when the fall comes, to get the wood well ripened by withholding the water supply; the cool nights and bright sun are the other aids that make fine flowering wood. Turn the pots around every couple of weeks to let sun reach every side of your plants.

Care of Cypripediums

Now is the time that all of these orchids will require great care. Where you are crowded inside or want to give your house a good cleaning empty frames can be utilized to advantage. First place a good layer of coal ashes which will give the plants a nice cool bottom to stand on. Here they will have an ideal location where they will be close to the glass and can have all the ventilation that they will need. On all bright days give them a good syringing both under and over the plants. Where you are sure that your plants have made lots of roots they would be better for some weak cow manure once a week. Keep a sharp outlook for thrips otherwise they will soon disfigure and check your cypripediums. Go over them often and dip and sponge with tobacco water or some good insecticide. Do not shade too heavily. There is nothing to beat either lath or cloth shading as it can be removed when the sun's rays will be an advantage and on dull days.

Hollyhocks

Do not forget to start a liberal lot of these stately plants; both the single and double varieties are good. Sowing now, you will have fine stock by the fall. It is always well to procure the best strains in colors of white, pink, crimson and yellow. Sow the seed in a cold frame where you can give them shade and water until they have germinated. When they have made sufficient growth they can be transplanted into other cold frames where they can have some winter protection during the severest weather. Give them a spray about every two weeks with ammoniacal solution as a preventive from disease. Every florist should grow a good lot of these as they come in handy for many purposes such as for hiding any untidy places, for the back ground of small growing perennials or to break up the formal lines where shrubbery is planted.

Mr. Farrell's next notes will be on the following. Calceolarias; Care of Nephrolepis; Pansies; Winter Fl. Ferns; P. S. C. for Pans; Orchids; Schizanthus.

Asparagus Sprengeri

Do not fail to plant quite a batch of this popular green for it always comes in very useful. It is not very fussy about having a very light house but likes solid beds rather than benches and can be planted in the narrow bench that runs along the front or the rear of any of your houses. It also does well when grown in baskets or raised receptacles. It makes such big and fleshy roots that it soon exhausts the soil so give it a rich compost to grow in—say to two parts of fibrous loam use one of well-rotted manure and a good sprinkling of bone meal and it will respond with a generous cut of green. A foot apart each way will give them enough of room to grow good. While they like plenty of water at the roots they should not be overwatered while in their young state, but when they begin to make lots of roots they will take plenty of it. Give plenty of moisture in the atmosphere with a free circulation of air. In the fall when they have made plenty of roots they should have manure water once a week.

Lilies for the Fall

Those who conduct quite a retail trade will always find many uses for lilies that come in the fall. A few hundred of cold storage *Lilium speciosum rubrum* and *longiflorum* started now will come in very handy when other flowering stock is becoming very short. They will do well in a compost used for roses or carnations. See that proper drainage is provided for each pot. You can use either 6 or 7-inch pots. It is always better two or three days before you intend to pot them to turn the soil over and moisten it nicely; they require less water until they start when this plan is followed. They should be placed in as cool a place as you have, so as to develop good root action before the tops begin to start. Where you have a cool cellar there is no better place for them; if this is not at hand a cold frame will do. When they show growth they should be brought in and placed on a bench in a light and airy house where they can have water and attention.

Repairing and Outside Painting

Now is a good time to look all over your houses and do any repairing that may be necessary such as putting in sashbars where they are rotting out. Go over all the ventilators and see that they are rightly adjusted and give them a good oiling and painting. Where the putty is in very bad condition it will be more profitable to take it all out and repaint all the sashbars and reset the glass with new putty. There is no better season for all this work than the next six weeks as the weather is such that a few hours exposure to the bright sun will leave the paint and putty in a complete dry state. Every grower whether large or small should make time enough to do all this kind of work now when the weather is so congenial. Do not be one of those who neglect their houses until it is too late to do anything in this line, but make every preparation now so as not to have your houses leaky or draughty when the cold weather sets in.

FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Crowded Bunches

It is not an uncommon thing at this season to find a few bunches crowded in spite of two severe thinnings. Late varieties, which will now be about half swelled, are often deceiving. The size of the berries found in some bunches of Gros Colman, Gros Maroc, Black Alicante and Madresfield Court are sometimes not given sufficient space in which to fully extend themselves. Madresfield Court may not be amongst these in this stage at the present time as it is generally used as a second early variety, but at times she is liable to want more room so can be classed with them for the occasion. Where bunches are crowded to such an extent as to be deforming the berries it will be well to remove a few more berries or they will easily crack later and spoil the bunch. A berry will make a large hole in a bunch at this stage so none should be removed without due consideration. Select for removal those which have a near neighbor which can be pushed down a little into its place to fill up the gap. There will be no harm done in taking out a few berries until such time as the color shows in them. After this every mark shows on the berries. Swelling does not finish with the first color coming into the berries; not until they are near ripe is the full size attained.

A point to guard against when working amongst grapes during the hot weather is to see that you do not touch them with a perspiring hand, arm or face. This has the same effect on berries as boiling water would. The side which comes in contact instantly shrinks away as though it were scorched and if allowed to remain only the one-half would swell again. This is different from berries being burnt or scalded with the sun. In the latter case the whole berry will go black in time and drop off, but not so one affected with perspiration; this will not drop. A case of this kind was recently brought to my notice. In tying up a shoulder of Gros Colman a hand accidentally hit the bunch with a result as described above. This is most liable to occur where a bunch is below where one is working, when having to reach up to them the chances of making a disfigurement are less.

Syringing

An illustration of syringing with force and yet without injury to the plants has come under my notice this spring and summer. In previous years, frequent fumigations have been necessary to keep down green and black fly on melon plants. With the commencement of the present season a small nozzle or reducer was used on the hose while syringing. This reduced the stream down to one-quarter of an inch giving force which at the same time was easily controlled. This was concen-

trated on to any leaf or young growth effected with aphids and it cleared them out before getting a stronghold without the least damage to the foliage. This is worth a consideration. There is nothing in it to spread the stream; this is done with the finger and it can be directed at any angle. With this in continual use all plants have kept clean during the present season.

Peaches and Nectarines on the Spur System

The spur system of training is one which is seldom met with in growing peaches and nectarines. The advantages of the straight fan trained trees are so much superior to it one wonders why it is used at all. True, it is claimed surer flower bud formation results from the pinching process, yet with ordinary care no tree should be shy on flower buds. After having been used to seeing trees literally covered with flowers should we come across one tree with only twenty-five per cent of this mammoth show, at first sight we wonder if it will carry a crop. In the majority of cases, these trees carrying a minority of flower buds are the best to set. The percentage of fruits left on to finish is very small as compared to the number of flowers open. All growths can be stopped when fifteen to eighteen inches long, but to keep this up continually there is no benefit. The fruit found growing on the spurs are usually at such an angle that they are marked by pressing up against some other part of the tree, making it difficult to obtain a perfect fruit. Putting the matter of shape and beauty in its proper place, after productiveness, no peach or nectarine tree grown on the spur system looks so good as one that is not. Summing the whole matter up the spur system has really nothing to recommend it.

Vegetable Houses

Although we are now sweltering in a heat wave the time is not far distant when we must think about the winter vegetables. With most of the other planting done up, attention should be turned to preparing the vegetable house for the next season's work. Some "catch crop" may be occupying for a few weeks, but as it is only a catch crop it may be able to give way to repairs, etc. The annual coat of paint should be applied. This is where many greenhouses are neglected. Paint is an insurance itself, and where an annual coat is not possible every second year it should be made possible. There are benches to be looked over and repaired and where no repairing is needed these should have a good dressing with whitewash. This will not only help to preserve the wood but will act as a fungicide, killing the mycelium of any fungus that is waiting to develop next fall. This will be much more effective if applied when the lime is quite hot. The heating pipes—are they all in good repair? No time like the present for this kind of work.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Watering

This will now become important and houses that have already started should be watered with great care. This is especially true where all kinds of plants have been planted together. We make it a point to grade the plants a little so as to get uniformity in the bench if possible, setting the taller plants to the back and the shorter to the front. In watering a bench of mixed plants be careful and give each just the amount of water they require. A small weak plant will want only about half as much as a strong rapidly growing plant will. Another thing to watch out for is not to allow the plants to become too dry although they should always become fairly dry before watering again. If allowed to dry out too much they will become weak and spindling and will not be in condition to produce the required result next winter.

Roses growing in less than four inches of soil must be carefully watched during these hot summer days. These will dry out much more rapidly than plants in deeper soil and should be watered accordingly.

Red Spider

This if allowed to go unchecked will spread very rapidly at this time of the year. Syringe the plants as often as is advisable, being careful not to have them dry when syringing. Remember that summer is the time to clean out spider, if there is any anywhere. If a nest is allowed to remain here and there plenty of trouble can be expected during the fall months, when syringing cannot be done as often as now.

Roses Outside

Killarney, Kaiserin, Radiance and other roses growing outside will now be in bud for their second crop and should receive a good mulch of cow manure. A little bone meal will also be good for them. Keep them well watered and if possible spray frequently with a good solution of ivory soap and water. This will keep most bugs away, and should it not, then give them a little paris green or arsenate of lead. We would prefer the former, as arsenate of lead shows so much on the foliage. Keep the plants well disbudded if you expect real nice flowers from them. With a little care these plants should produce almost as good roses as those grown in the greenhouses. If all are planted as advocated in these columns some time ago, they can be handled very easily and if kept well mulched will require but little looking after.

Cleaning Up

With most of the houses planted, it is a good idea to give the place a good clean-up and thus start the new season with a clean place. Scrape out well underneath

the benches in all the planted houses and fill in all holes in the walks with ashes or cinders. Where it is not too expensive, sand makes a very nice covering for all earth walks. Apply just enough to cover the surface nicely. Many will claim that this is too rough for the hose but we find ashes alone wear a hose as fast as anything.

Hose

This is something which costs our florists a great sum of money every year. There are a great many good makes of hose on the market and with a least bit of care a hose ought to last. If possible, have a hose for each walk. This may seem like expense at first, but will save money in the long run. If there is only one or two hose for the house and it has to be dragged around the corners, have the corners covered with some soft material. A good way is to cut a piece of hose open and then nail it to the corner. Instruct all help to avoid kinks forming, which wears out a hose quicker than anything else would.

An Adept in Fruit Growing

As an old fruit-grower, I have noted with considerable pleasure, from time to time, the notes on fruit culture under glass contributed by Mr. Geo. H. Penson to HORTICULTURE. Anyone who saw the exhibit staged at Asbury Park Show by Duke's Park, where Mr. A. A. MacDonald presides as superintendent and Mr. Penson is the fruit-grower, will appreciate the excellent culture that produced such phenomenal fruits as were exhibited.

Duke's Park was awarded five firsts in the five entries in the competitive section. I do not believe I ever saw finer grapes staged anywhere. They were certainly very far ahead of the grapes staged at the International Show in London last month. Conceding that we have a climate that ripens grapes and all fruits better than that of England, the fact still remains that these were magnificent specimens. Black Hamburg, Appley Towers, Foster's Seedling and Bucklands Sweetwater, were the varieties staged. Melons which were on an average of nine pounds each were also remarkable for their size and finish; Hero of Lockinge, Duke's Park Seedling, Royal Jubilee, His Eminence, were the best.

The peaches and nectarines also were simply marvelous, and all fruit exhibited from this estate was a lesson to the gardeners present.

Oliver H. Lutz

HORTICULTURE

VOL. XVI

JULY 13, 1912

NO. 2

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.
 WM. J. STEWART, Editor and Manager.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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A noteworthy occasion

Boston is rapidly "getting the habit" of welcoming distinguished visitors. This week we have the Sweet Pea Society and early in August the Park Superintendents will be with us. The terrible weather of the past week has been a bitter disappointment to those who have been planning to make this sweet pea affair the most notable of its kind in history. Worse conditions could hardly be possible and the exasperation is all the more acute because the entire season up till within a few days had been unusually favorable for sweet pea development. Nevertheless, there will be an

astonishing turn-out and to those of our readers who have not started and who see these notes in time to reach Boston either Saturday or Sunday, we have no hesitancy in saying that the occasion will repay the time and effort. In fact, it will be an eye-opener.

Two lives well spent

Again our obituary columns are called upon to record the passing away of one universally looked up to as a conspicuous leader in his profession. John A. Pettigrew, whose death was recorded last week and William R. Smith, in their respective relationships to and influence on the profession and the public, must be counted as among the greatest men who have ever adorned American horticulture. The work of these two men is by no means closed with their departure from earthly scenes.

Such souls,

"Whose sudden visitations daze the world,
 Vanish like lightning, but they leave behind
 A voice that in the distance far away
 Wakens the slumbering ages."

Each, a master in his sphere, has planted, stimulated and brought into healthy vigor that which will through years to come exercise an inestimable influence for the cause of humanity. They have done their part in laying the foundation of our future horticultural development. The good of their fellow-men was their prime incentive and it is fitting that we should revere their memory in life-long gratitude for the benediction of their lives.

A reprehensible predilection

In our issue of March 9, 1912, we took occasion to call attention to some instances of "narrow-mindedness" on the part of certain correspondents of foreign horticultural journals who had scoffed at "American" rose growers on account of their alleged proneness to change rose names. Within the past month several similar flings have been given space in a leading English horticultural weekly. In this connection we recall an admonition in Holy Writ regarding people who were prone to be so concerned about the mote in their brother's eye that they overlooked the beam in their own. The immediate cause of the present outbreak seems to be the use of the name Mrs. Taft for a rose already known by two names—Antoine Rivoire and Prince de Bulgarie. Renaming of plants cannot be too strongly condemned, and we are heart and soul with any movement which seeks to put a stop to the practice. But these pedantic critics "across the pond" should bear in mind that charlatans are not an exclusive product of any country or race. One of the objects of the extensive trials by the Royal Horticultural Society in former years was to straighten out the confusion caused by renaming in Great Britain and the reports of that society are so full of synonyms that comparatively few standard varieties are without one or more. As to roses, all one has to do is to consult the catalogue of any big rose dealer to realize how much of this "faking" has been done, while it is common knowledge that with peonies, sweet peas and other things which might be mentioned, the mischief that has been perpetrated is simply monumental. These things being so, the continued deriding of "American cousins" for their failings in this respect cannot be accepted here as "a friendly protest" for it bears the stamp of something very different. If these gentlemen will come out openly over their own names instead of aliases and will help to inaugurate a broad-spirited, unbiased movement to wipe out at home and abroad the crying evils of renaming and substitution from which the whole horticultural world has been suffering so long they will find the American growers and dealers, the American societies and the American horticultural journals as ready to extend cordial sympathy and practical co-operation as any on the face of the earth.

WILLIAM R. SMITH

The impending blow which we have for several weeks realized must shortly come, has fallen. The great, manly heart of William R. Smith has ceased to beat, and horticulture has lost a friend indeed. The long illness from which Mr. Smith had been suffering terminated on Sunday morning, July 7, and he passed quietly away.

Mr. Smith was born at Athelstoneford, East Lothian, Scotland. After leaving school he worked in the gardens at Fantesy, the residence of the late Thomas Mitchell Innes, after which he served a regular two or three-year apprenticeship in the gardens of Lord Elstone, near Dunbar. After serving his apprenticeship he went to Arthrey Castle, Lord Abercromby's, near Stirling, as a journeyman, where he served 12 months. He afterwards worked for the Duke of Atholes at Dunkeld, and from there to Mount Melville Gardens, near St. Andrews. After serving 12 months there he got an appointment at the Royal Botanic Gardens at Kew, remaining there two years. He then secured a position at Peter Lawson & Sons' Nurseries at Edinburg, November, 1852, where he studied trees and conifers until nearly the end of January, 1853. He then left for America, sailing from Glasgow, January 28th. Going to Philadelphia, he entered Dundass's famous old place on Chestnut street, at that time the finest institution of its kind in the New World. From Dundass's Mr. Smith was called to Washington to take charge of the Botanic Gardens, which existed then in name only, having been since the time of George Washington little more than an unreclaimed swamp. The plants brought by Commodore Charles Wilkes from his arctic expedition in 1848 formed the nucleus of the Botanic Garden as they then existed. The swamp at that time had the River Tiber running through it, enabling Moore to say that what was "Goose Creek once is Tiber now." The filling up of this swamp by Mr. Smith not only enabled him to make of it a thing of beauty, but saved the National Capital its reputation and made of it a fairly healthy city. During the 60 years that have elapsed since, the 11 acres of garden have been Mr. Smith's uninterrupted care, and in addition he served for 20 years on the

parking commission and was instrumental in the planting of over 100,000 shade trees in the avenues of Washington.

In 1862 Mr. Smith married and took his young wife to the quaint little colonial cottage in the heart of the garden, where for 15 years they lived in happiness together. Then she was stricken with an illness which destroyed her mind, and since that time she has been an inmate of a sani-

zation serves, owe an enormous debt of gratitude. He was an enthusiastic member from its early days, served on its executive board and as president in 1893, and it was solely due to his indomitable, persistent efforts, extending over 11 years, that the coveted National Charter, passed by both houses of Congress and signed by President McKinley on March 5, 1901, became their prized possession. Up to the last his interest in the society and

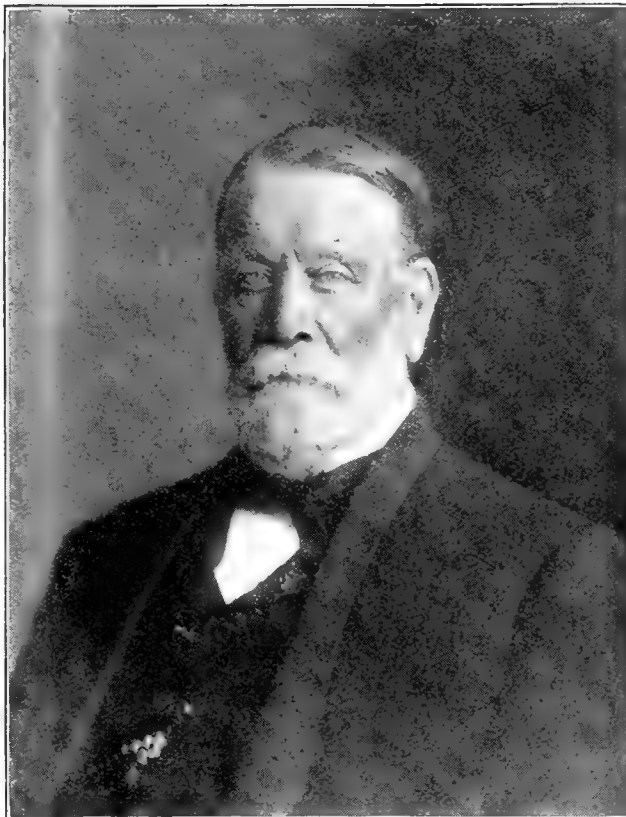
the welfare of its members never lagged. His passing takes away one more of the few representatives of a distinctive epoch in American horticulture remaining on its rolls. He rounded out a well-filled and useful life. The inevitable had to come, yet we shall mourn for him and grieve with an inconsolable grief as we realize that the kind old face and loved voice are gone from our meetings and councils forever. His like we shall never see again. Following are some testimonials from friends who have intimately known and esteemed Mr. Smith for many years:

From Hon. S. W. McCall.

It was a piece of great good fortune to anyone to have William R. Smith for a friend. He was a genuine Scotchman, and nearly sixty years of residence in a city like Washington, where he knew intimately three generations of the public men of America, did not tend to obscure any of his strong racial qualities, but served to broaden him and make of him a cosmopolitan Scotchman. His library

contained one of the very finest collections that could be found anywhere of the works of Burns and he was a worshipper of that poet. He was a rare Burns scholar, and it was an inspiration to listen to his talks about the poet and to his apt quotations from him. His literary interest, however, was not wholly centered in the great poet of Scotland, but its breadth may be seen in the admiration which he had for Shakespeare.

Mr. Smith was really the creator of the National Botanic Garden, transforming an unsightly mire into the beautiful park covered with trees, shrubs and flowers which it is today. The relations of Senators and Representatives with the Superintendent of the Botanic Garden were almost as



WILLIAM R. SMITH

tarium and Mr. Smith has been alone with his plants, his books, his Burns library and his many friends, whom he dearly loved to have accept his hospitality.

Of towering stature—6 ft. 2 in. tall—lordly of mein, poetic of temperament, with a soul filled with the love of nature, W. R. Smith was a unique and impressive personality. He excelled in all the human sympathies as he did in his physical presence. Everyone felt proud in the friendship of this remarkable man; statesmen and children, plants and animals, all responded to his magnetic influence, and he loved them all.

To William R. Smith the Society of American Florists and the entire horticultural profession which that organ-

intimate as with any other officer of the government. They were constantly seeking different varieties of shrubs and flowers for their constituents and for their own gardens and lawns. As a result of this association Mr. Smith, during his long service beginning six or eight years before the civil war, probably knew personally and well more of the public men of the country than any other man who has ever lived. And he knew not merely the public men but also their wives and children, who would naturally have an interest in the wonders of his garden. Next to talking with him about Burns, it was most interesting to listen to his reminiscences of the men who had served in the Cabinets, in Congress and even in the Presidency. He was devoted to his art and it is doubtful whether he ever had a superior as a practical horticulturist. The passing of this most interesting figure will inflict deep sorrow upon a very wide circle of friends.

S. W. McCALL.

Washington, D. C.

From John Burton.

The distinguishing trait of William R. Smith to my mind was his breadth of view and democratic spirit. This was particularly the case with those younger than himself to whom he always had the open hand and heart—giving freely of his wisdom and experience to all, and encouraging the humblest to do their best. I believe that spirit animated this great man's labors during all of the sixty years in which he graced his commanding position at the heart of things in the capitol of the American Commonwealth. We in the trade owe him an especial debt of gratitude, as he never swerved from his loyalty to our and his profession, notwithstanding the allurements of the high and mighty; but always stood shoulder to shoulder with us in progress—guided by commonsense and practicality.

JOHN BURTON.

From J. Otto Thilow.

William R. Smith, the embodiment of conscientious, untiring and indefatigable effort to advance everything that was worthy and for the advancement of mankind. He was as enthusiastic in combining horticulture with the refinement of humanity, as he was interested in the welfare of his brother-man.

Yea, there has gone from among us, one who was ripe in years, thought and deeds, who by hard dint, and ceaseless application, was desirous to bring the results of his labors worthy of the appreciation of his Maker.

J. OTTO THILOW.

From George C. Watson.

William R. Smith was the only man I ever met in my 28 years' sojourn in America in the seed business, who was able to put up against me an argument that would hold water in favor of free seeds. He put the free seed idea on highly altruistic grounds. According to W. R. Smith, seeds are merchandise of course; but they are also more than merchandise. They are the beginning of everything. So why should we boggle about a few

cents when planting a seed in some far away corner of Texas or Wyoming charged to the general account. The whole country will eventually benefit, the seedsmen included. What's two hundred thousand dollars? You pay ten times that for one battleship—that will be scrap iron in probably five years and nothing to show for it. All of which was good talk. What I said in rebuttal has nothing to do with this story. All I want to say now is that I found one man, at least, who had nothing to do with the vote-catching proposition—who advocated free seeds with all his might, and justified himself in so doing on purely patriotic principles! No man will ever know the amount of good William R. Smith did in his lifetime. The number of people who called on him at the Botanic Gardens in Washington—even in one year—and carried away saplings and seedlings of new and rare and fine things, to the remotest corners of the continent—to radiate in every direction—was legion. All of which is silent and unchronicled in history; but will nevertheless be a potent factor in the glorious development of the days to come. So what must such an influence have been, when it extended over the long period of sixty years? Think of the influence of a man of this character, the friend and intimate of all the giants in American history for sixty years! Thank God for W. R. Smith.

GEORGE C. WATSON.

Memorial Resolutions Adopted by the Cincinnati Florists' Society.

At a meeting of the Cincinnati Florists' Society in regular session, news of the death of W. R. Smith of Washington, D. C., was received with feelings of deep regret. Words of praise were spoken concerning the noble stalwart life he has lived, the inspiration and help he has always freely given. His large and varied storehouse of knowledge on many subjects was commented upon but especially that of the horticultural part of his life—his profession which he so justly loved and in which he so profoundly excelled and of which he was always to the last so ready to impart. The great help and impetus he has given to the horticultural world cannot be over estimated, especially his help and assistance to the S. A. F. and A. H. from its inception even to later years. In view of these few of his many-sided qualities, therefore:

Be It Resolved, That in the decease of W. R. Smith, horticulture has lost one of its most ardent and loving patrons, and

Be It Further Resolved, That the Cincinnati Florists' Society in full assembly express their deep sorrow and extend their heartfelt sympathy to all bereaved friends, and

Be It Further Resolved, That a copy of these resolutions be sent to the trade papers and be spread upon the minutes of the Society.

A. OSTENDARP, Secretary.

CORRECTION.

In Mr. Fewkes' article on "American Seedling Peonies," page 9, of last week's issue, sixth line from bottom of second column, "stems are very short," should read "stems are very stout."

THE LATE J. A. PETTIGREW.

An Appreciation.

Dear Editor:

A friend has been taken from us. We know it now. We shall appreciate it the more as time goes on. He was a man. A simple statement perhaps, and yet we know what that means when applied to our friend, for such he is and will continue to be. He can not be longer with us in the flesh but so long as we are he will be—in our recollection, in our minds, in our hearts. Should we need any reminder of him—which God forbid—his undertakings, his works, his results accomplished in our midst will stand as beacons, and ever after serve as mute witnesses to the mind that originated and the executive ability that carried such to completion in many cases, while many, many more must have been unfinished; and it would have been thus had he survived for years for such a man never ceases in the good work. There is no halting. He never lets up. The citizens of Boston have lost a faithful servant and leader.

The citizens of your Commonwealth have lost a benefactor in the good work done by him. The great American public have lost the leader in his profession, for he was the leader and he made it a profession by his efforts and successes. The horticultural world has lost one, whose taking will leave a vacancy only to be filled by one of brains, with a learning broad, technical, practical, cosmic, and walled and buttressed with an innate love for his work and surroundings; each, every and all of which can be applied to and made a part of his work. Such a man was our friend. He had these qualifications and attributes. Furthermore he was honest to himself and consequently true to his friends. His friends—all who knew him were his friends—will deeply lament his going. May we all leave as fragrant a memory as John Allgood Pettigrew.



Nashua, N. H., July 6, 1912.

The funeral services of J. A. Pettigrew, late superintendent of Boston parks, whose death was chronicled in our issue of July 6, took place at the superintendent's house in Franklin Park on Friday, July 5. There was a very large attendance of mourners, including a creditable representation of the horticultural interests. There were many beautiful floral tokens among which were wreaths from the Gardeners' and Florists' Club of Boston and the Horticultural Club of Boston, the latter being a very large wreath of foliage exclusively and the handsomest of all.

NATIONAL SWEET PEA SOCIETY OF AMERICA

Annual Exhibition and Convention, Boston, July 13th and 14th, 1912, Horticultural Hall

Officers.

William Sim, President; Mrs. Seth Low, Vice-President; Harry A. Bunyard, Secretary; Arthur T. Boddington, Treasurer; John H. Pepper, Recording Secretary.

Executive Committee—W. Atlee Burpee, Chairman; J. K. M. L. Farquhar, Harry Turner.

Nomenclature and Trials Committee—Prof. John Craig, Chairman; Prof. A. C. Beal, G. W. Kerr, William H. Duckham.

Trial Grounds—Cornell University, Ithaca, N. Y.

Flower Show Committees.

Executive Committee—John K. M. L. Farquhar, Chairman; W. A. Burpee, A. C. Zvolanek, H. E. Fiske, W. T. Hutchins, Chas. Breck.

glass bowl, value \$30.00. Vase of 10 Spencer varieties, 25 sprays to the vase with foliage.

A. 4. Fottler, Fiske, Rawson Co.'s prizes. 20 vases, 20 varieties, 25 sprays to a vase; first, gold medal; second, silver medal; third, bronze medal.

A. 5. Jerome B. Rice Seed Co.'s prizes. Vase of White Spencer; first, \$5.00; second, \$3.00; third, \$2.00.

A. 6. Henry F. Michell Co.'s prizes. Vase of Doris Burt, not less than 50 sprays; first, \$3.00; second, \$2.00.

A. 7. Vaughan's Seed Store, silver cup, value \$25.00, 8 vases, 8 Spencer varieties, 25 sprays to a vase.

A. 8. Arthur T. Boddington, challenge silver cup, value \$50.00. For a collection of 25 varieties, not less than 25 stems to a vase, to be shown with sweet pea foliage

\$25.00. For the finest collection of Spencer, Unwin and Grandiflora types.

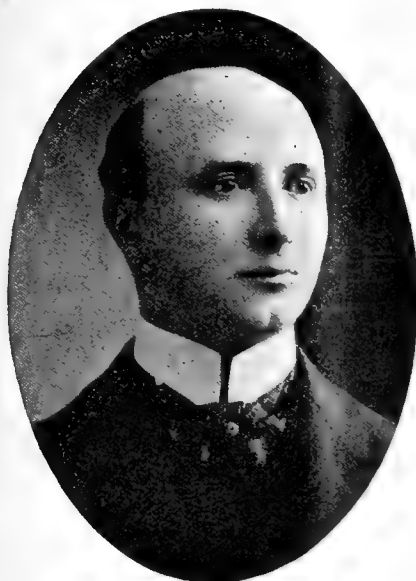
B. 2. W. Atlee Burpee cup, value \$25.00. For 12 vases, 12 varieties.

B. 3. W. Atlee Burpee prizes. Vase of one variety of Spencer type introduced 1912; first, \$5.00; second, \$3.00; third, \$2.00.

B. 4. W. Atlee Burpee prizes. Vase of Grandiflora type; first, \$5.00; second, \$3.00; third, \$2.00.

B. 5. Sutton & Sons' silver cup, value \$25.00. For the best table of sweet peas to be arranged on a space four by three feet and not to exceed three feet in height.

B. 6. Peter Hender & Co.'s prizes, aggregating \$200.00. For fifteen varieties of Spencer, 12 spikes each, own foliage, to comprise the following varieties: Apple Blossom Spencer, Asta Ohn, Aurora Spencer, Countess Spencer, Flora Norton Spen-



ARTHUR T. BODDINGTON
Treasurer.

Manager of Exhibition—Robert Cameron. Schedule Committee—James Wheeler, Chairman; Wm. N. Craig, Sidney Hoffman. Committee on Medals—Thomas Roland. Commercial Growers' Committee on Prizes and Rules—James Wheeler, Chairman. Gardeners' Committee on Prizes and Rules—Wm. N. Craig, Chairman. Retailers' Committee on Prizes and Rules—Sidney Hoffman, Chairman. Seedsmen's Committee on Prizes and Rules—H. E. Fiske, Chairman.

Scale of Points to Govern Judges.

	Points
Length of Stem.....	25
Color	20
Size	25
Substance	15
Number of Flowers on a Stem.....	15
Total	100

SCHEDULE OF PRIZES.

Private Gardeners—Section A.

Class
A. 1. Joseph Breck & Son's silver cup, value \$50.00, 12 vases Sweet Peas, 25 sprays to a vase, 12 varieties.
A. 2. R. & J. Farquhar & Co.'s prizes. Six vases, 25 sprays to a vase, 6 Spencer varieties; first, \$15.00; second, \$10.00.
A. 3. Thos. J. Grey Co.'s prize, cut

only. To be won twice by the same exhibitor. There will also be awarded to the winner of this cup (each time won) a cash prize of \$25.00; second, \$15.00; third, \$10.00.

A. 9. Watkins & Simpson prize. 6 vases Spencer or Unwin; \$10.00.

A. 10. National Sweet Pea Society's prize. For display covering 24 square feet; sweet pea or other foliage can be used; first, silver medal and \$25.00; second, bronze medal and \$15.00.

Spencers—25 Sprays to a Vase.

A. 11. Vase white. A. 12. Vase lavender or blue. A. 13. Vase salmon or orange. A. 14. Vase crimson or scarlet. A. 15. Vase primrose. A. 16. Vase light pink. A. 17. Vase dark pink. A. 18. Vase any other color. First prize, \$3.00; second prize, \$2.00.

Grandiflora Types—25 Sprays to a Vase.

A. 19. Vase white. A. 20. Vase light pink. A. 21. Vase dark pink. A. 22. Vase scarlet or crimson. A. 23. Vase lavender or blue. A. 24. Vase any other color. First prize, \$3.00; second prize, \$2.00.

Private Gardeners or Amateurs—Section B.

B. 1. Mrs. Seth Low's silver cup, value



W. ATLEE BURPEE
Chairman of Executive Committee.

cer, Garnet Spencer, George Washington, Helen Lewis, John Ingham, Martha Washington, Mrs. Routzahn, Primrose Spencer, Tennant Spencer, Waverly Spencer, White Spencer. First, \$100.00; second, \$50.00; third, \$25.00; fourth, \$15.00; fifth, \$10.00.

B. 7. J. Horace McFarland Co.'s prizes. 12 vases, 6 Spencer varieties, 6 Grandiflora varieties, 25 sprays to a vase, with any foliage; first, \$15.00; second, \$10.00.

B. 8. Stumpp & Walter Co.'s prizes. Six vases of Spencer in the following colors: Crimson Spencer, White Spencer, Pink Spencer, Variegated Spencer, Lavender Spencer, Primrose Spencer; first, \$15.00; second, \$10.00; third, \$5.00. Not less than 25 sprays to a vase. Sweet pea foliage may be used unattached.

Amateurs—Section C.

These classes are for amateurs who do not employ a gardener regularly, who do their own gardening and who do not sell flowers.

C. 1. Fottler, Fiske, Rawson Co.'s prizes. 20 vases, 20 varieties, 25 sprays to a vase; first, gold medal; second, silver medal; third, bronze medal.

C. 2. 12 vases, 12 varieties, 10 sprays to a vase; first, \$12.00; second, \$8.00; third, \$4.00.

C. 3. 6 vases, 6 varieties, 10 sprays to a vase; first, \$6.00; second, \$4.00; third, \$2.00.

C. 4. 3 vases, 3 varieties, 10 sprays to a vase; first, \$4.00; second, \$2.00; third, \$1.00.

C. 5. Henry F. Michell Co.'s prizes. 25 sprays of Spencer, assorted colors; first, Michell bronze medal; second, \$2.00; third, \$1.00.

C. 16. Vaughan's Seed Store silver medal. 12 vases of Spencer, 12 varieties, 12 sprays to a vase.

C. 7. A. T. Stearns Lumber Co.'s prizes. Vase of mixed varieties, not less than 50 sprays; first, 6 hotbed sash; second, 4 hotbed sash; third, 2 hotbed sash.

C. 8. John Lewis Childs' prizes. Vase of mixed varieties, not more than 25 sprays; first, \$5.00; second, \$3.00; third, \$2.00.

C. 9. Jos. Breck & Sons' prize. Vase of mixed Spencer, 50 sprays to the vase; a set of garden tools.

C. 10. Arthur T. Boddington's prizes. For the largest collection, not less than 5 nor more than 10 sprays to a vase, all to be correctly named; first, Boddington's silver medal for horticulture; second, Boddington's bronze medal for horticulture.

C. 11 to C. 18. For vases, 12 sprays; first, \$3.00; second, \$2.00. Colors white, pink, dark pink, lavender, salmon, crimson, primrose, any other color, respectively.

Commercial Growers—Section D.

D. 1. Display of Sweet Peas, arrangement to count, to cover not more than 50 square feet; first, Thos. F. Galvin's silver

medal for horticulture; second, Boddington's silver medal for horticulture; third, Boddington's bronze medal for horticulture.

Vases of 50 Sprays.

D. 12. White. D. 13. Pink. D. 14. Deep rose. D. 15. Lavender. D. 16. Salmon or orange. D. 17. Crimson or scarlet. D. 18. Primrose. D. 19. Picotee edged. D. 20. Bicolor. D. 21. Striped or mottled. D. 22. Cream. D. 23. Any other color. Prize, \$5.00 in each class.

Retailers—Section E.

E. 1. Basket of sweet peas: Boston Co-operative Flower Market's silver cup, value \$25.00; second prize, offered by The National Sweet Pea Society, \$10.00.

E. 2. Mantel decoration (the mantel to be furnished by the exhibitor): National Sweet Pea Society's silver medal and \$25.00; second, bronze medal and \$15.00.

E. 3. Bridal bouquet. First, \$10.00; second, \$6.00.

E. 4. Hamper. First, \$15.00; second, \$10.00.

E. 5. Corsage. First, \$6.00; second, \$3.00.

E. 6. Centerpiece. Henry F. Michell Co.'s silver medal.

School Children—Section F.

F. 1. F. R. Pierson cup, value \$25.00. For the best display not to occupy more than 24 square feet, exhibited by any school.

F. 2. S. J. Goddard silver cup. For best display by any school in the town of Framingham, Mass.

F. 3. James Wheeler silver cup. For the best display exhibited from any school of Natick, Mass.

F. 4. F. E. Palmer silver cup. For the best display exhibited by the Brookline, Mass., schools.

F. 5. Thomas Roland's silver cup, value \$25.00. For the best display from any school in Lynn, or Nahant, Mass.

The following prizes offered by The Saugus Home and School Association for Saugus:

F. 6. Vase of 50 sprays, assorted colors. First, \$2.00; second, \$1.00; third, 5 at 50c.

F. 7. Vase of assorted colors, 25 sprays to the vase. First, \$1.00; second, 4 at 50c.

F. 8. Vase of assorted colors, 25 sprays to a vase. First, \$2.00; second, \$1.00; third, 4 at 50c.

F. 9. Vase, 12 sprays to a vase, assorted colors. First, \$1.00; second, 4 at 50c.

F. 10. Arthur T. Boddington bronze medal. For the school making the most creditable exhibit.

F. 11. Vaughan's Seed Store prizes for children. For the three best vases, 3 colors, 10 sprays to a vase. Children's Book on Gardening, value \$3.00.

F. 12. Henry F. Michell Co.'s prize. Vase of 6 white sprays (girls only to compete). Mehler's Handy Gardener (Book).

F. 13. Henry F. Michell Co.'s prize. Vase of 6 sprays, pink (boys only to compete). Budding knife.

Gardeners' and Florists' Club of Boston prizes. First, \$3.00; second, \$2.00; third, \$1.00; fourth, 50c.; fifth, 25c. 14 to 19 vases of 6 sprays, white, light pink, deep pink, lavender, crimson, any other color, respectively.

F. 20. Bouquet. First, \$5.00; second, \$3.00; third, \$2.00.

F. 21. Vase of mixed varieties, not more than 25 sprays, open to school children. Offered by The National Sweet Pea Society. First, \$10.00; second, \$7.00; third, \$5.00; fourth, \$3.00; fifth, \$2.00; sixth, \$1.00; seventh, 50c.; eighth, 25c.

F. 22—Joe. Breck & Sons' prize. Vase of mixed Spencer, 50 sprays to the vase. A set of garden tools.

F. 23. Jos. Breck & Son's prize. Vase of mixed Spencer, 25 sprays to the vase. (Open to children only.) Set of garden tools.

F. 24. The Garden Magazine Achievement Medal, by Doubleday, Page & Co., to be awarded for "the best display made by any individual child in any class."

Open and Miscellaneous Classes—Section G.

G. 1. President William Sim's prize. For the best display in pots, tubs or boxes (open to all). \$25.00.

G. 2. Lunt Moss Co.'s prize. Display, both plants or foliage other than sweet peas admissible. First, a gasoline engine, 1½ h. p. value \$100. (Open to all.)

G. 3. C. C. Morse & Co.'s silver cup, value \$25.00. For the finest collection (open to the seed trade only); second, The National Sweet Pea Society's silver medal; third, The National Sweet Pea Society's bronze medal.

G. 4. Henry A. Dreer prize. Vase of Queen Alexandra Spencer. First, \$5.00; second, \$5.00.

G. 5. Henry A. Dreer prize. Vase of Blanche Ferry Spencer. First, \$5.00; second, \$3.00.

G. 6. Henry A. Dreer prize. Vase of Ruby Spencer. First, \$3.00; second, \$2.00.

G. 7. Henry A. Dreer prize. Vase of Juanita Spencer. First, \$3.00; second, \$2.00.

G. 8. Lord & Burnham Co.'s gold medal prize. Display of 1000 sprays grown under glass.

G. 9. National Sweet Pea Society's silver medal. For the best collection of sweet pea novelties appearing in 1912.

G. 9. National Sweet Pea Society's silver medal will be awarded for the best collection of sweet pea novelties appearing in 1912 catalogs only. Bronze medal for second best collection.

G. 10. The National Sweet Pea Society's silver medal will be awarded for the best collection of sweet pea novelties appearing in 1911 catalogs only. The National Sweet Pea Society's bronze medal will be awarded for the second best collection.

G. 11. For sweet peas not yet in commerce, The National Sweet Pea Society's medals and certificates will be awarded in this class if, in the judges' opinion, they supersede existing varieties. S. A. F. & O. H. silver and bronze medals will also be awarded in this class.

G. 12. National Association of Gardeners



HARRY A. BUNYARD
Secretary.

cup, value \$50.00; second prize by The National Sweet Pea Society, \$25.00.

D. 2. Vase of 100 sprays Countess Spencer; first, The Penn silver cup, value \$50.00.

D. 3. 6 vases, 50 sprays to the vase; first, Boston Cut Flower Co.'s silver cup, value \$50.00. Vases to contain the following six colors: White, crimson or scarlet, lavender, pink, primrose, orange shades.

D. 4. 20 vases, 20 varieties, 25 sprays to the vase; first, M. J. Tuohy's silver cup, value \$25.00; second by The National Sweet Pea Society, \$10.00.

D. 5. Fottler, Fiske, Rawson Co.'s prizes. 20 vases, 20 varieties, 25 sprays to a vase; first, gold medal; second, silver medal; third, bronze medal.

D. 6. 12 vases, 12 varieties, 25 sprays to a vase; first, offered by Henry Conley, a cut glass bowl, value \$10.00; second, offered by The National Sweet Pea Society, \$5.00.

D. 7. The Boston Flower Exchange, Inc., prizes. Six vases, 50 sprays to a vase, 6 colors, foliage optional; first, \$25.00; second, \$15.00; third, \$10.00.

D. 8. Boston Co-operative Flower Market prizes. 6 vases, 25 sprays to a vase, 6 colors; first, \$15.00; second, \$10.00.

D. 9. Thos. J. Grey Co.'s prize. 3 vases, 50 sprays to a vase, 3 colors; one genuine syracuse plow, double or single (optional).

D. 10. Henry F. Michell prizes. 3 vases, 50 sprays to a vase, 3 Spencers, white, lavender and pink; first, \$5.00; second, \$3.00; third, \$2.00.

D. 11. Arthur T. Boddington's prizes. For the largest collection, not less than 10 nor more than 25 sprays to a vase, all to be correctly named; first, Boddington's gold



ROBERT CAMERON
Manager of Exhibition.

offer, through William Kleinbeinz, the Association's silver cup, value \$50.00, for 12 vases in 12 varieties, not less than 25 sprays to the vase. (Open to members of the National Association of Gardeners only.)

G. 13. The Gardeners' Chronicle of America silver cup, value \$10.00. For the best arranged vase; fern or other foliage than sweet pea can be used.

For the most meritorious exhibit of sweet peas, the N. S. P. S. A.'s gold medal will be awarded.

The following firms have also generously contributed toward the general prize fund:

William Sim, Sidney Hoffman, H. E. Fiske, Thomas Grey, Joseph Breck & Sons, W. Atlee Burpee, Arthur T. Boddington, P. Welch, W. H. Elliott, Benjamin Hammond, The Aphine Manufacturing Co., Boston Plate & Window Glass Co., Braman, Dow & Co., L. B. Coddington, R. & J. Farquhar & Co., Thomas Roland, W. J. Stewart, Revere Rubber Co.

Massachusetts Horticultural Society's Prizes.

Table decoration open to all. First, National Sweet Pea Society's silver medal and \$40.00; second, The National Sweet Pea Society's bronze medal and \$30.00; third, \$20.

For vase of not less than 25 sprays, in 16 separate color classes. First, \$4.00; second, \$3.00; third, \$2.00, respectively.

Also five striped and flaked classes, similar prizes.

Program—First Day, Saturday, July 13, 1912.

3 P. M.—Address of Welcome; President Sim's Address; Secretary's Report; Prof. A. C. Beal's Report on our Trial Grounds at Cornell University; Treasurer's Report; Nomination of Officers for 1912-13; Invitation for the Next Meeting Place; "Our Present Knowledge of the Sweet Pea Diseases and their Control," by Prof. J. J. Taubenhaus of the Delaware College Agricultural Experiment Station; Election of Officers.

8 P. M.—Vote on the Next Meeting Place; Addresses and Discussions; Question Box; Unfinished Business.

Second Day, Sunday, July 14, 1912.**Lectures.**

The Gardeners' and Florists' Club of Boston have generously invited the members of the N. S. P. S. of A. at an informal luncheon at 7 P. M., Saturday evening.

The Executive Committee recommends that the name of our society be changed from the National Sweet Pea Society of America, to the American Sweet Pea Society. This will be voted upon at the next meeting. Kindly be present and express your views.

H. A. BUNYARD, Secretary.

THE ASBURY PARK SHOW.

The much-heralded show of the Elberon Horticultural Society was held on the 2nd, 3rd, 4th and 5th insts. at Asbury Park. The venture was backed with a two-thousand-dollar appropriation by the city fathers for prizes and expenses. This liberality and enterprise on their part did not produce the results in attendance it should have done. The reason for that is probably because the details were largely left to professional growers than whom there is no class in the community so lacking in their knowledge of how to handle human nature in such enterprises. Very rarely do we find a man combining in his one personality genius at producing on the one hand and genius at marketing on the other hand. The same with flower shows. Never leave their management in the hands of the producers. Put a business man in charge—one who knows human nature and knows how to get the ear of the people—when there is something good around. Far be it from us to depart from the proper dignity due the profession, but a little red fire and excitement judiciously administered produces results and results are the main thing so long as they go in the uplift channel. We would say to the Asbury Park magnates now, with cordial appreciation: Go on! You have done nobly. All you lacked was the audience. If the fathers of Asbury Park can make the combination right, there will be gate receipts in plenty and no taxes.

Burpee's show in charge of George W. Kerr was the feature of the sweet pea end of the exhibition. The arrangement was a revelation to the

old-timers and ought to be an inspiration also. A finer effect could hardly be imagined. The gold medal (the premier award) for the best exhibit was deservedly given to this. Four certificates for the latest and best new varieties were also among their trophies. These were for the varieties: St. Francis, Orchid, Burpee's Mauve, and Decorator.

Boddington's exhibition far surpassed Burpee's in the number of varieties. There must have been at least five hundred, all good flowers and a very attractive feature of the show.

That "two hundred dollar prize" for thirty varieties was "some prize" all right, and brought out over fourteen

the same lines. Lager & Hurrell made a good display of orchids. N. A. Corlin, Elberton, was the designer of the general arrangements and proved himself worthy of his high office. Thomas Hambleton's group of Celosia Castle Gould, showing its capacity as a bedding plant was well done in the formal garden. Henry Goldman showed some pretty good geraniums in the same section. Even our own Wm. Robertson would find these hard to beat.

Among the most fortunate of our Philadelphia prize winners we must not forget to mention Martin Gohn, gardener for R. B. Ellison, Bryn Mawr; three firsts and two seconds went to his credit for sweet peas. Mr.



FIRST PRIZE AMERICAN BEAUTY ROSES

Exhibited at Asbury Park by A. A. MacDonald of Duke's Park.

entries. Adam Patterson had to be a good one to get that. It was a great triumph for him and a close call for there was a whole bunch of them pretty near as good. Thank Heaven your scribe was not one of the judges. He'd have had a terrible half hour with himself in reaching a decision.

The Duke fruit show was more than a feature. It was a kind of an annex. Grapes, melons, peaches, nectarines. The arrangement was immense. In the hands of a good manager the town would have rung with it.

Dreer had a fine display of aquatics which made a basis for the waterfalls feature, one of the good ideas of the show, and well executed. Julius Roehrs Co. showed up well in their tub evergreens on the esplanade, also with groups of flowering and foliage plants as well as with orchids. Bobbink & Atkins were also strong along

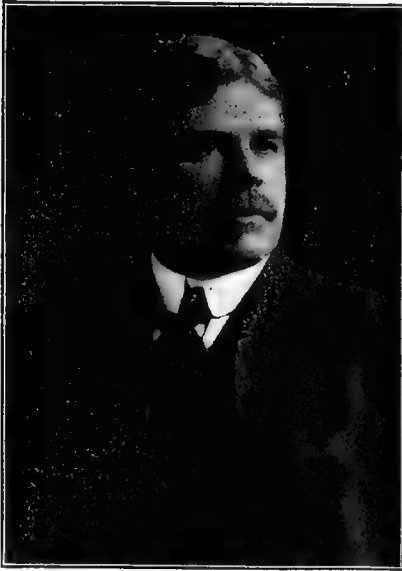
Gohn is a pupil of Wm. Robertson and comes out of a good school with flying colors. It takes some beating to beat the big boys of New York and New England as well as the nearbys.

To all the Elberon boys we say—well done! But add a showman to your outfit next time. We only spent an hour or so in the show on the 4th and have no license to call the above a report. There must certainly have been lots of good things worthy of mention that escaped us not only from the hurried run through but also because it was a four-day show and we were only there for "a fleeting moment." Still it was good and inspiring and worth the three hours' journey to see how these lads with their limited resources can beat some of the big municipalities without half trying.

GEORGE C. WATSON.

BOSTON'S NEW PARK SUPERINTENDENT.

Much interest has attached to the question of who should be selected as the successor to the late J. A. Pettigrew as superintendent of the Boston Park system. The choice, we have just been informed, has fallen on James B. Shea, who has been ably filling the position of assistant superintendent for a number of years. We think the action of the park authorities in advancing Mr. Shea to this responsible position will meet with most cordial approval from those who have had opportunity to know that gentleman's qualifications. He probably, more than any other person, knew



JAMES B. SHEA

Mr. Pettigrew's methods and purposes and can be relied on to follow along on consistent lines and governed by the same wise policies which made Mr. Pettigrew's work so notable. Personally, Mr. Shea is a genial, companionable and kindly gentleman, quiet in manner, but none the less influential on that account and has a myriad of friends among all ranks of the Boston public as well as among the park officials of the entire country. Boston's superb park system will still be in good hands.

Mr. Shea was born in West Roxbury in 1863. Graduating from the High School in 1880, he pursued his studies in Boston College and Lawrence Scientific School at Harvard. He has been employed in the Boston Park Department for 22 years. In 1903 he was appointed general foreman by Superintendent Pettigrew and in 1907 became assistant superintendent. He is at present vice-president of the American Association of Park Superintendents.

AT MARION, MASS.

On June 26 the committee on gardens of the Massachusetts Horticultural Society visited the notable estate of Col. Harry E. Converse at Marion which was awarded the Hunnewell Premium in 1911. The afternoon was spent in looking over the extensive

grounds, noting especially the rose, fruit and vegetable gardens as well as the improvements made in the rock and water gardens since the visit of the previous year. The numerous greenhouses with their collections of flowering and foliage plants and fruits were also inspected and a fine border of larkspur and peonies attracted attention. The rose garden was in its prime and presented a magnificent picture. The fruit garden was in fine cultivation. Mr. Roy, the superintendent, finds that in strawberries the Nich Ohmer and Brandywine succeed best here and in peaches he grows the Elberta, Oldmixon, Stump, Early and Late Crawford, and the Carman. For plums he recommends the Burbank, and for raspberries the Cuthbert and Golden Queen. The extensive woodlands on the estate have been judiciously thinned and on the borders of the roads plantings of rhododendrons, foxgloves and sweet williams furnish pleasing touches of color. Numerous small trees of catalpa seem to take well here and Rosa rugosa, both white and red varieties, find a congenial home. For planting along the seashore in masses this rose is especially well adapted, and for a hedge plant in exposed points is unexcelled.

On the same afternoon the committee had the opportunity of making a brief visit to the beautiful seashore home of Andrew Gray Weeks also at Marion. The most important improvement made in this estate since the visit of last year is the completion of the sea wall thereby permitting the extension of the lawn to the very water's edge. This great expanse of lawn with its plantings of trees and shrubs is one of the features of Mr. Weeks' estate. In the rear of the mansion house is a luxuriant growth of native trees and shrubs with many introduced garden species planted along the numerous woodland paths.

The visiting committee consisted of President C. W. Parker, Secretary W. P. Rich, T. D. Hatfield, W. Wheeler, Wm. Downs, A. H. Fewkes and Jackson Dawson. WM. P. RICH, Secy.

The next exhibition of the Massachusetts Horticultural Society will be held at Horticultural Hall, Saturday and Sunday, July 13 and 14. It will be devoted wholly to sweet peas and will be rendered additionally interesting from the fact that the National Sweet Pea Society of America will hold its fourth annual exhibition and convention in connection with this show. The schedule has been arranged to include the private gardener, the amateur, the school children, as well as the commercial grower and retail florist. Special features will be dinner tables and mantels decorated with sweet peas, centerpieces, and bridal and corsage bouquets of sweet peas. It promises to be a wonderful exhibition of the progress made in this popular flower in recent years. The exhibition will be free to all and will be open Saturday from 12 M. to 10 P. M., and on Sunday from 2 to 10 P. M.

A VALIANT PRIZE WINNER.

The accompanying picture depicts W. A. Manda attired in his truly English togs and the smile which he wore when he counted his 22 prizes at the International Exhibition. We are pleased to add to our previous felicitations, congratulations to Mr. Manda on the award of a first-class certificate for Polypodium Mandaianum at the Holland House Show—the highest award that can be given there to any novelty. Also the award of a first-class certificate for the same at the



Yorkshire Gala Flower Show at York and a botanical certificate for Anthericum Mandaianum.

BRITISH HORTICULTURE.

The full details are not yet published as to the financial results of the International Horticultural exhibition. It is rumored that after meeting the very heavy expenses there will be a surplus of several thousand pounds available for the gardening charities. —Great satisfaction is felt in the gardening world that the Board of Agriculture in future will have a special division set apart for horticulture. Mr. A. G. L. Rogers will be in charge assisted by entomological and other experts.—This year the Council of the Royal Caledonian Horticultural Society has awarded the Neill Prize to Mr. John M. Hattie, the Edinburgh city gardener. The prize, awarded for eminent services in horticulture, is the interest of a sum bequeathed by the late Dr. Patrick Neill for the purpose, and is dealt with every two years.—The honor of knighthood has been conferred upon Lieut. Col. D. Prain, director of the Royal Botanic Gardens, at Kew.—A baronetcy has been conferred on Mr. Alexander Cross, the senior partner in the firm of Alexander Cross and Sons, manure merchants and horticultural sundriesmen. Sir Alexander Cross has for many years been a prominent public man, having for 18 years been a member of Parliament. W. H. ADSETT.

CLUBS AND SOCIETIES

NEWPORT HORTICULTURAL SOCIETY.

The annual rose show held last week showed a decided gain in favor of the Tea and Hybrid Tea classes. The beautiful combination colors of many of the newer varieties seem to be the most admired, helping much to extend their popularity in comparison with the Hybrid Perpetuals.

In the H. T. collections seen here the following varieties seemed worthy of note: Laurent Carle, Mme. Sigmond Weber, Reine Marguerite d'Italie, Mme. Jenny Gillemot, Lieutenant Chaure, Mme. Melanie Soupert, Lyon Rose, Mrs. Aaron Ward, Mme. Leon Pain, Marquise de Sinety, Lady Ashtown and Prince de Bulgarie. The Miss Alice de Rothschild, winner of the Mrs. Burke-Roche prize, is a Tea resembling the Marechal Niel very much and has surely come to stay. In the H. P. class Frau Karl Druschki is still the leader as a white and Mme. Gabriel Luizet, Mrs. John Laing and Mrs. Sharman Crawford the favorites in pink. The new white climber Silver Moon, was shown in excellent form by A. J. Fish of New Bedford, Mass. and was awarded a certificate of merit.

A very choice display of cut orchids was staged by James Garthly of Fairhaven, Mass. The varieties were C. Schroderi and C. Mendelli. The most attractive exhibit was a large plant of Bougainvillea glabra of perfect form covered with flowers, staged by John Baumgartner. In the collections of annual plants in flower the Clarkia elegans and Schizanthus seemed to be the best adapted for pot culture. Petunias were also good. The judges were John Barr, Arthur Griffin, James Garthly, Alex. Fraser, Bruce Butterton and Richard Gardner. The committee of arrangements was ably headed by Wm. F. Smith.

J. R.

CONNECTICUT HORTICULTURAL SOCIETY.

Hardy Rose Night, June 28, brought out a fine display of cut blooms, all classes. The exhibitors were John F. Huss, Warren F. Mason of Farmington, John Coombs and the Department of Parks (Alex. Cumming, Jr., gardener). The judges (J. Alfred Weber, Theodore Staudt and W. W. Hunt) awarded each a first-class certificate.

In discussing regarding hardy roses, much information was brought out. Messrs. Cumming, Hunt and Staudt, who had been appointed for this service, after conference, brought in the following list of the 12 best hardy roses for general culture:

Six best hybrid perpetuals: Frau Karl Druschki, pure white; Mrs. John Laing, light pink; Ulrich Brunner, cherry red; Hugh Dickson, bright red; Prince Camille de Rohan, crimson; Paul Neyron, pink.

Six best hybrid teas: Madame Caroline Testout, satiny pink; Gruss an Teplitz, cherry crimson; Kaiserin Augusta Victoria, creamy white; Rhea Reed, red; General MacArthur, red; Grace Molynaux, whitish pink.

President Huss, in his remarks, said that the hybrid perpetual rose season passed very quickly this year. Few bugs harmed them, but some mildew

developed, partly on account of the cold nights and warm days. He commended the hybrid teas as of longer duration, as they can be cut down and will bear a second lot of blooms. Mr. Staudt strongly advocated propagating roses on their own roots, instead of by grafting.

No further business meetings will be held until the fourth Friday of August, when it is expected that vigorous preparations will be commenced for the Dahlia Exhibition to be held at Hartford on Sept. 19-20, at Unity Hall. The usual chrysanthemum show will be omitted this year. The Dahlia Show will include all seasonable flowers, as well as vegetables and fruits. A very liberal premium list is in preparation.

GEORGE W. SMITH, Sec'y.
Melrose, Conn.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Trades Exhibition at Convention.

As the date of the convention draws near, greater interest is being manifested, and the balance of available space is being rented rapidly. During the week large blocks of space have been reserved by the following named:

Detroit Flower Pot Co., Detroit, Mich.; W. A. Manda, So. Orange, N. J.; Knight & Struck, New York; Cushman Gladiolus Co., Sylvania, O.; E. E. Stewart, Rives Junction, Mich.; Mead & Suydam, East Orange, N. J.; Superior Machine & Boiler Works, Chicago; H. N. Bruns, Chicago; George P. Limbert Co., Chicago; Illinois State Association, Illinois; Florists' Exchange, New York; Universal Portland Cement Co., Chicago; Vaughan's Seed Store, Chicago (additional space); American Blower Co., Detroit, Mich.; Burlington Willow Ware Shops, Burlington, Iowa.

There will also be a fine display of modern ice boxes and refrigerators for florists' use, by the leading manufacturers of the country. This will be one of the attractive features of the exhibition.

JOHN YOUNG,
Supt. of Trade Exhibition.

Department of Plant Registration.

Public notice is hereby given that Henry F. Michell Co., 518 Market street, Philadelphia, Pa., offers for registration the following new geranium (Zonal Pelargonium). Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the Secretary at one. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's description.—Variety originated with John L. North, Sewell, N. J., cross between Jean Viaud and Alphonse Ricard. Habit semi-dwarf, bushy and erect in growth; bears from 4 to 5 clusters of immense flowers on well-grown 4-in. pot plants; color intense scarlet, without any tendency to scald in bright sunlight, and showing no traces of pink. A great improvement on all scarlet varieties.

Name: "Helen Michell."

JOHN YOUNG, Secretary.

June 28th, 1912.

PENNSYLVANIA HORTICULTURAL SOCIETY.

The Sweet Pea Show of the above Society, held on Tuesday, July 2nd, was a very good one, over 200 vases being staged. The principal prize winners were: Frank West, gard. to John A. Brown & Son, who staged the best collection of sweet peas taking first prize in the class of 12 vases, fifty sprays to a vase. Robert J. Morrow, gardener to Mr. George I. Bodine, Chestnut Hill, took first for 15 vases, and Walter Scott, gardener to Mr. W. W. Frazier, first for 10 vases, twenty-five sprays to a vase. William Fowler, gardener to Mrs. Charles Wheeler, carried away all the first prizes in the classes of one vase of fifty blooms. His flowers were probably the best ever staged here by a private gardener; the stems being 14 to 16 inches long. A new exhibitor was Mrs. C. Murdock Kendrick, Strafford, an amateur. She staged her own exhibits, which consisted of all the new Spencer varieties and was one of the prize winners. Joseph Hurley, gardener to Mr. Thomas P. Hunter, took first on 25 varieties of Japanese iris, also on 12 species of out-door cut flowers. David Aiken, gardener to Mr. George H. McFadden, was first on 12 species of hardy perennials.

It was noticed among the exhibits of sweet peas that the majority of the gardeners seemed to prefer the Grandiflora type. Two of them, being asked for their reason in doing this, stated "that they found the cut-flowers of the Grandiflora type to last longer than those of the new Spencers. The most noticeable of the newer varieties which seemed to be in favor were: Lord Nelson, Irish Belle and Florence Nightingale. The well-known variety, Helen Pierce, was staged in every collection shown.

The flower stems this year were probably shorter than usual, with the one exception mentioned above. All the sweet peas shown were spring sown and in the one exception where long stems were produced we found that the exhibitor had used a large quantity of native guano, mixing this with the soil in the trench before sowing.

The exhibits were all kept intact for the Florists' Club meeting, which took place on the evening of the same day, and were greatly admired by the large audience which attended that meeting. The collections of out-door cut flowers and hardy perennials attracted special attention from the members of the trade.

Dr. Robert Huey had on exhibition the new hybrid tea rose Robert Huey, which is a Dickson seedling. This is certainly a great acquisition to the out-door rose class. The flowers staged had stems 18 to 24 inches long; the flower is a very pleasing shade of deep pink, and those now before us (which were cut three days ago), are expanded to five inches in diameter, but the center remains full. Dr. Huey informs us that it is a very free bloomer, and last year flowered continuously until frost came.

DAVID RUST.

NEW YORK HORTICULTURAL SOCIETY.

There was again a capital little show at Bronx Park on the 29th and 30th of June, the quality of the flowers throughout being of high order. Special mention, however, should be made of the Japanese iris sent by Jas. A. Macdonald which were exceptionally fine, and of the grand collection of herbaceous flowers from the gardens of Mrs. F. A. Constable. The exhibition of gladioli will be held on August 31st.

Prize awards were:

Collection of outdoor roses—First, A. P. Stokes, Noroton, Ct., gard. Andrew Whitelaw; second, H. Darlington, Mamaroneck, N. Y., gard. P. W. Popp.

Japanese Iris, 12 vars.—First, Scott Bros., Elmsford, N. Y.; second, J. A. Macdonald, Flushing, gard. Richard Hughes.

Sweet peas, six vars., 25 of each—First, Miss M. T. Cockroft, Saugatuck, Ct., gard. A. Patterson; second, Mrs. J. B. Trevor, Yonkers, gard. Howard Nichols.

Sweet peas, 100 sprays—First, Miss M. T. Cockroft; second, H. Darlington. Herbaceous flowers—First, Mrs. F. A. Constable, Mamaroneck, gard. James Stuart.

Shrub and tree flowers—First, T. H. Havemeyer, Glen Head, L. I., gard. A. Lahodny; second, H. Darlington.

Japanese Iris, six vars.—First, James Macdonald; second, T. A. Havemeyer.

Sweet peas, three vars., 25 of each—First, Miss M. T. Cockroft; second, Mrs. J. B. Trevor.

Twelve vegetables—First, Mrs. J. B. Trevor; second, Mrs. F. A. Constable.

Six vegetables—First, J. A. Macdonald; second, T. A. Havemeyer.

The judges were William Scott, Richard Hughes and Ernest Prince.

NORTH SHORE HORTICULTURAL SOCIETY.

The North Shore Horticultural Society held a rose show on June 26-27 at Manchester, Mass. The special prizes were well competed for with results as follows:

M. H. Walsh Prize for General Display of Hardy Roses—Mrs. Lothrop Brown, gard. W. Swan, 1st; Mrs. E. C. Swift, gard. J. Chapman, 2nd. Morley, Flatley Co. Prize for H. P. Collection—Mrs. W. B. Walker, gard. E. F. Eicke, 1st; W. Swan, 2nd. John McKenzie Prize for 24 H. P. Roses—W. Swan, Dreer Prize for 8 H. T.—J. Chapman, Beaton Prize for Vase of Roses—J. Chapman, 1st; E. Hyland, 2nd. Gold Medal, for roses arranged for effect by lady—Mrs. G. E. Cabot, Table of Roses—Mrs. H. L. Higginson, gard. A. Cruickshank, Dinner Table Decoration—W. H. Clark, 1st, with pink sweet peas and single roses; Mrs. Jas. McMillan, gard. W. H. Beach, 2nd, with carnine pillar and sweet peas. Foxgloves—W. Swan, J. B. Dow Prize for Peonies—W. Swan, Jos. Clark Prize for Peonies—J. Chapman, Pansies—J. Chapman, 1st; Mrs. Allan Curtis, gard. Thos. Jack, 2nd. Lord & Burnham Prize for Group of Flowering Plants—Mrs. Lester Leland, gard. E. Wetterlow, Basket of Roses—Mrs. C. S. Eaton, gard. Jos. Warr, Canterbury Bells—W. Swan, Strawberries, 3 var.—R. Dexter, gard. J. Salter, Strawberries, 6 var.—Mrs. G. D. Curtis, gard. E. P. Hooper, Collection of Vegetables—Mrs. G. Abbott's Silver Cup to Wm. Swan, T. J. Grey Co. Prize for Peas—C. F. Eicke, 1st; W. Craig, 2nd. Brock's Prize for Peas—Thos. Jack, 1st; E. P. Hooper, 2nd. Lettuce—H. W. Clark, 1st; E. P. Hooper, 2nd. Specimen Flowering Plant—W. Swan, Collection Sweet Peas—Mrs. W. D. Denegro, gard. H. W. Clark, Collection of Vegetables—E. Wetterlow. The regular classes were also well-filled and brought out some excellent competition.

AMERICAN ROSE SOCIETY.

The annual term of officials of the American Rose Society dates from the 1st of July. President Adolph Farenwald does duty for the second term. Frank H. Traendly of New York City becomes vice-president; ex-President Robert Simpson of Clifton, N. J., and Frank R. Pierson of Tarrytown, N. Y., are to serve a term on the Executive Committee. This eastern concentration was intended to strengthen the Rose Society during the coming National Flower Show to be held in New York next spring.

A week ago a convention of the New York State Bankers, Group 6, was held at Lake Mohonk. The two large rose gardens were so attractive that when the time came for the morning session, which is the chief business session, there were scarcely enough members present to hold the meeting. When a search was made there were these bankers and trustees off in the rose gardens more interested in the beautiful bloom of the Queen of Flowers than they were in the active business which called them to the convention. Probably no one had seen such a sight before; the variety of roses seemed endless.

There will be a meeting of the American Rose Society in Chicago at the S. A. F. convention in August.

BENJAMIN HAMMOND, Sec'y.

Fishkill-on-Hudson, N. Y., July 1, '12.

ST. LOUIS FLORIST CLUB.

The Florist Club held a very interesting meeting on Thursday afternoon, June 13; Vice-President Vennemann presided. After the regular opening proceedings the trustees reported arrangements for the annual picnic, and it was voted to hold the picnic at Preisters' Park on the East Side near Belleville, on Wednesday, July 17th. Wm. Ossick and Charles Young were appointed on the committee.

Resolutions on the death of Charles A. Juengel were adopted as follows:

Whereas, Death has removed from our midst Chas. A. Juengel, a member of this club;

Whereas, In the demise of Mr. Juengel the club has met with irreparable loss, and

Whereas, The deceased was known to us as a man of sterling worth, and as a good neighbor and citizen. Mr. Juengel has ever exemplified the highest qualities. Therefore be it

Resolved, That his memory will ever be cherished as an example of faith, friendship and true nobility, an inspiration of public fidelity. So to have lived and so to have died is not to have lived and died in vain. The St. Louis Florist Club mourns with a host of friends his taking off. To his bereaved wife and family we extend our deepest sympathy in their hour of affliction in the memory of the nobility of his character, the faithfulness of his private and public life and the sincere attachment of the vast host of friends who with them mourn. Be it further

Resolved, That the resolutions be spread on the minutes of this club and that a copy of the same be transmitted to the bereaved family.

Owing to sickness which caused the absence of Mr. C. E. DeWever, the discussion on Relative Value of Overhead and Sub-irrigation was laid over.

The next meeting, July 11th, will be nomination of officers and also a discussion of Pot and Cut Chrysanthemums by Henry Emunds, in which he will be assisted by Carl Beyer, C. C. Sanders, John Held and F. J. Fillmore.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The monthly meeting of the Florists' and Gardeners' Club of Pittsburgh was held Tuesday evening, June 4th, in the Dutch Room of the Fort Pitt Hotel.

Neil McCallum of West End Park showed a large and interesting collection of hardy perennials. An interesting collection of aquilegias from Schenley Park was also exhibited. Most of the members were cut-flower men; these hardy perennials did not appeal to them except as pretty things to look at, the invariable remark being that there was no money in them.

The Elliott nursery showed 20 varieties of peonies, the best ever exhibited at the club. A first class certificate was awarded them. Carl Beckerer, of Dixmont showed a good collection of the new French hydrangeas, which were "highly recommended" by the committee. Souvenir de Mme. de Chautard, a fine blue, was perhaps the best variety. It is an early one which the French say can be easily forced for Christmas. Avalanche, an excellent white, is an improvement on Thomas Hogg, but earlier. Dentelle, a dwarf variety with a large truss, is considered the best by Mr. Beckerer.

Randolph & Clements showed several 4-inch pots of dwarf calceolarias. His method of carrying them over the hot summers of Pittsburgh is to take cuttings in winter and carry these plants over without allowing them to bloom. They keep them in a shaded place in the greenhouse near the door where they can get plenty of air.

The wonder of the evening was some cucumbers exhibited by John Costoff, gardener to Wm. Flinn. He has found that Sutton's Delicacy will, if started warm and then transferred to a cool house—one growing lettuce and radishes—gives better results than Telegraph, and some of the other long varieties. He sets them in the vegetable house about the middle of March from 3-inch pots and has had the plants in fruit for several weeks already. Grown cool there is less trouble in controlling thrips and red spider.

One of the most interesting exhibits about Pittsburgh this past month has been the collection of tulips grown by Ernest Guter, gardener to R. B. Mellon. There was a display in the open of 35,000 bulbs, of which Pride of Haarlem, Pink Beauty, Cardinal Rampolla and Princess Wilhelmina were the best. Pride of Haarlem is a particularly good variety. The stems are very long and stiff. It is deep pink with a dark eye. If picked when just commencing to open it will last four weeks in water.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The annual summer exhibition of the Nassau County Horticultural Society held at Glen Cove, N. Y., on June 18th, was up to the usual good standard of previous years. Roses were not quite so good, but hardy flowers were exceptionally fine. Percy Chubb, A. Mackenzie, gardener, put up a beautiful table of orchids and gloxinias which won a certificate of culture. John Pratt, J. W. Everitt, gardener, was awarded a certificate of culture for delphiniums and La France

roses. L. G. Forbes also got a certificate of culture for a table of roses. Other special premiums were honorable mention to Jas. Holloway for hardy flowers; Percy Chubb, for lilies, snapdragon and spirea; H. J. Pratt for English iris; W. V. Hester for sweet peas, and E. Pester for climbing rose Violet Blue.

First prizes in the regular classes were won by Mrs. H. L. Pratt, H. Gant, gardener, Percy Chubb, Mrs. H. J. Pratt, F. O. Johnson, gardener, W. E. Kimball, Mrs. F. S. Smithers, V. Cleres, gardener, for roses; Mrs. H. L. Pratt for herbaceous flowers; W. E. Hester, H. Baettcher, gardener, for annuals; Mrs. Smithers for sweet peas; Mrs. H. Whitney for peonies; J. R. DeLamar, R. Marshall, gardener, for delphiniums and lettuce; Mrs. H. J. Pratt for snapdragons; Percy Chubb for flowering shrubs and strawberries; Jas. Holloway for ornamental foliage and out-door fruit; A. G. Hodenpyle, F. F. Petrocia, gardener, for vegetables; Mr. W. Dabot, C. Stranger, gardener, for cauliflowers.

CLUB AND SOCIETY NOTES.

The annual summer show was held in Hollywood Inn on June 18th. The competition was very great in several of the classes, and, considering the lateness of the season, the outdoor products reached a high state of cultivation. The judges were, James Stewart, Robert Angus and George Wittlinger.

First prize winners were Mrs. Thos. Ewing, gardener R. Cochran, for caladiums and for gloxinias; E. C. Benedict, gardener R. Allen, for roses; H. Darlington, gardener P. W. Popp, for roses; E. H. McAlpine, gardener J. Woodcock, for roses; Mrs. J. B. Trevor, gardener H. Nichols, for sweet peas and for vegetables; C. N. McAlpine, gardener H. Scott, for herbaceous flowers; Howard Nichols, for bouquet; Mrs. H. Draper, gardener H. Wills, for strawberries; Mrs. E. L. Coster, gardener E. Kane, for strawberries; D. E. Oppenheim, for lettuce.

Certificates of merit were awarded to S. Untermyer, gardener W. H. Waite, for stove and greenhouse plants; F. Milliot, for floral work; L. Milliot, for palms, ferns and flowering plants. Cultural certificate to H. Darlington, for everlasting chrysanthemums.

The annual rose and strawberry exhibit of the Rhode Island Horticulture Society was held in Providence, R. I., on June 19th, the display being a large and successful one. One object of the exhibit, from a show point of view, was to create a vein of enthusiasm for the fall show in November, and the high character of the exhibits gave much encouragement to the members.

The exhibit of orchids by Edgar L. Nock was a leading feature and Johnston Brothers, H. Howard Pepper and Burke and Burns were also among the exhibitors that held the attention of the crowds. Eugene A. Appleton, president of the Florists and Gardeners' Club, was superintendent, the arrangement of flowers being under his jurisdiction and the clever manner in which the exhibit was arranged was a credit to himself and the wisdom of the officials of the society who selected him. The exhibition committee together with Mr. Appleton, included Joshua Vose of Pontiac, E. K. Thomas of Providence, Richard M. Bowen of Warwick, Harry V. Mayo of East Providence, Arthur C. Miller of Providence, Miss Addie F. Holland of Auburn, and Thomas Hope, president of the society. The judges who awarded the premiums were James Dillon of Swan Point and Cornelius Hartsha, gardener at the Rhode Island Hospital.

During Recess.

The Florists' Club of Washington.

A very clever ventriloquist created considerable amusement for the sixty odd guests of Mr. Edward Schmid at his annual crab feast held in the Grotto at 1214 F street, N. W., following the regular July meeting of the club. Other features on the program were dancing and monologues by Morris Stine, address of welcome by Ed. Schmid, a talk on the love of flowers on the part of the inhabitants of the Arctic regions by Julian S. Warmbath, a short talk by William F. Gude on the good feeling among the members accomplished through just such affairs as this one, an announcement of a few things that might be expected at the outing to be held at Chesapeake Beach on July 24 by W. W. Kimmel, and short talks on different subjects by other members and their guests.

One other feature that was not scheduled was the loaded cigars that found their way to the places occupied by our worthy president, David G. Grillbortzer, A. F. Faulkner, Harry Lewis, and a number of other notables. Then, again, it was hardly expected that Messrs. Lewis and Faulkner would prove themselves the heroes they did when a number of Japanese lanterns with which the Grotto was decorated caught fire and they had an opportunity of playing firemen.

A letter from the secretary of the Baltimore Florists' and Gardeners' Club asking for a list of the members who intend to go to Chicago as delegates to the convention, set the members to planning for the trip. A number signified their intentions of attending.

Following the report of W. W. Kimmel, as chairman of the outing committee, N. L. Hammer submitted a resolution wherein all florists in the city are requested to close their stores promptly at twelve o'clock on Wednesday, July 24. The resolution was passed. Mr. Kimmel announced that quite a number of prizes for the athletic events had already been received, but a few more would be acceptable and these will be forthcoming. Special cars will leave Chesapeake Junction at two o'clock. Following their arrival at the Beach, the members are invited to witness a baseball game between a picked team of florists and a team from Kallipolis Grotto. Every man who makes a hit will be awarded a glass of—lemonade.

New York Florists' Club Outing.

This enjoyable annual affair which took place on July 2 was, as briefly noted in our last week's issue, a perfect success in every detail. There were over 400 in attendance, ladies and children predominating. The games were enthusiastically entered into and in many instances with entries crowded.

In the boys' and girls' races, Jack Traendly, Martha Schmutz, Ethel Amos, J. Einsmann, Emma McMullen, Ed. Einsmann, Willie Einsmann, Charles Miesem, Laurence Einsmann, Irwin Einsmann, Elizabeth Manker, Anna Miesem, P. J. Walker, Helen Ehrhart, B. Munn, Chas. Walter and Fm. McMullen were the first prize winners. There were second's and third's also in each class. In the various

ladies' races the first prizes went to Miss Anna Hughes, Miss Engel King, Mrs. A. P. Cain, Miss Anna Miesem and Miss Alice Gaynor. Second and third prizes were also all awarded. Growers' race, 50 yards, John Donaldson, Henry Hession. Ditto, over 25 yards, John Donaldson, H. Hornecker, F. Smith. Ditto, under 25 yards, E. Manda, H. Hession, A. Demensy. Men's race, 100 yards, E. Manda, A. Demensy, John Donaldson. Ditto, 50 yards, John Donaldson, E. N. Holt. Ditto, quarter mile, Engel King, S. A. Mills. Wholesalers' race, Phil. F. Kessler, M. L. Glass, A. J. Guttman. Retail florists' race, T. A. Mills, H. Crocker, D. Scott. Fat men's race, F. Smith. Greeks' race, Kokonas, Carlates, Fellouris. Seedsmen's race, E. Boylan, S. Dennison, R. J. Irwin. Sack race, J. Sternberg, Engel King, C. Andrews. Race for wholesalers' employees, M. Nagle, G. Jacobs, J. Sternberg. Press bowling, J. H. Pepper, John Young, J. Austin Shaw. Ladies' bowling (wives of members), Mrs. Wagenfohr, Mrs. F. H. Traendly, Mrs. J. A. Manda. Ditto, open, Miss Buckholtz, Mrs. Getty, Mrs. Guttman, Mrs. Miller. Gentlemen's bowling, Protin, DeForest, Holt, Totty, Einsmann, Glass, most strikes, Totty, Mrs. W. F. Sheridan and Miss O'Mara got the special prize for middle-aged ladies; Mrs. F. H. Traendly's mother, the prize for oldest lady and Miss Niegel for youngest girl baby; Miss Hession was the fortunate one in the drawing for Florentine basket, and P. Einsmann won the trophy for the largest family present.

Chicago Carnation Co. Entertainment.

A very attractive program planned for the baseball lovers and their friends was carried out successfully, July 4th, at the Chicago Carnation Company's grounds, Joliet, Ill. Fifty were there to take part in or witness the game between the local team and the visitors, and though the day was extremely hot the C. C. C. team kept cool heads and defeated the C. C. F. A. boys 13 to 0, the latter having just begun practice. Manager A. T. Pyfer in behalf of the Chicago Carnation Company supplemented the picnic dinner with hot coffee, lemonade, etc., and the outing was a success in every way.

The St. Louis Florist Club picnic will take place at Priesters' Park on Wednesday, July 17th, the trustees, who have the affair in charge, have completed all arrangements for the pleasure of the florists, their families and friends. No expense is attached as the Florist Club stands all that and all florists and employees are invited to come and take part. The four wholesalers and the five local seed houses have offered fine prizes for the games. There will be good fishing and boating and a fine band of music for the dancers. The Belleville florists will be on hand early and receive the party as they come. Take Belleville cars at the Eads Bridge entrance. Fare, 30 cents for round trip. Most of the retailers and all the wholesalers will close up for a half-day so that their employees can enjoy the outing.

At the regular meeting of the Yonkers (N. Y.) Horticultural Society held in Hollywood Inn on Friday, June 14th, Robert Cochran exhibited a fine collection of sweet peas and gave an interesting address regarding his method of growing them.

The Peony Show of the New Bedford Horticultural Society on June 18, was a notable success. Among the large contributors were M. H. Walsh, James Garthley, D. F. Roy, W. F. Turner, E. J. Shaylor, Forbes & Keith, J. P. Rooney and other horticultural celebrities.

Obituary.

Mrs. Fannie R. Holland.

The death is reported of Mrs. Fannie R. Holland, of Alexandria, Va., the wife of Mr. Joseph Holland, who formerly worked for the Gude Bros., Washington, but who recently entered into business for himself. She is survived, besides her husband, by three small children. Mr. Holland has the sympathy of all in his bereavement.

Frank W. Foster.

Frank W. Foster of the F. W. Foster Mfg. Company on Beverly street, Boston, and for many years connected with the steamfitting, heating and ventilating business, died at his home in Melrose, Mass., on July 8, after a month's illness from intestinal trouble.

Mr. Foster served as treasurer of the Gardeners' and Florists' Club of Boston in 1892 and was quite an active member of that body in its early years. He was sixty years old.

George M. Roak.

George Martin Roak, a well-known Auburn (Me.) florist passed away on July 7th at his home, that city, after a lingering illness of three years. Mr. Roak has been in the florists' business for many years and is well and favorably known throughout the country.

Mr. Roak was born in the city of Auburn and had always lived there. He was 64 years of age and went into business in Auburn in the year of 1874. He is survived by his wife and six daughters, four of whom are married, and two sons.

Mrs. S. Muir.

Mrs. S. Muir passed away at her residence, 4104 Prairie Ave., Chicago, July 6th, at an advanced age. For the past three years she had been failing and her death came as a release from suffering. Mr. and Mrs. Samuel Muir were both born in Scotland and were among the very first to enter the florist business in Chicago. Their first place was at 33rd St. and S. Park Ave., which they started in the 60's, going to 55th and Centre about ten years later, and in 1883 buying the place at 3530 Michigan avenue where with the store at 47th and Grand Blvd. the business is still continued. Mr. Muir died 15 years ago and two sons and a daughter followed. Mrs. Muir leaves three sons, two of whom carry on the business, and two daughters, one of whom is also in the store. The funeral was July 9th, from the house, and interment was in Oak Forest cemetery.

John B. McManus.

John B. McManus passed away very suddenly at his home at Forest Hills, Boston, Mass., on the evening of July

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orangeries and terraces. 100 specimens.
Sizes and prices on application.

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In ordering goods please add "I saw
it in HORTICULTURE"

3rd, without the slightest premonition, he having been attending to his business all during the day. He was one of two brothers, both of whom have been connected with the Thomas F. Galvin Corporation, Boston florists, ever since their childhood days. The other brother, James H. McManus, has been foreman and manager for the Thomas F. Galvin Corporation for many years.

Mr. McManus was a man of great accomplishments in his calling and was well known to many of the Back Bay residents, his skillful taste in landscape gardening being generally recognized. He will be deeply mourned by his family, consisting of a wife and four children, and by the concern with which he was connected. He was a man of the highest character, beloved by everybody, and leaves a record which is an honor and credit to his name.

His funeral took place on Saturday, July 6th, and was attended by all of the members of the staff of the Galvin Corporation, Thomas F. Galvin, the principal, and his son coming up from Nantucket to be present.

Seed Trade

Convention Crop Reports.

We trust that a few remarks touching the recent Seedsmen's Convention at Chicago may not be considered out of place or out of date.

First of all, the attendance was a matter for congratulation as it undoubtedly exceeded any previous convention. The papers read were also as a whole, of unusual interest and importance. The effort to establish a crop reporting bureau as a feature of the National Convention did not seem to meet with much favor and was side-tracked for the present, though it is not unlikely to receive consideration another year. Such crop reports as were read were largely in line with those which have appeared in Horticulture on different occasions within the past two months.

Summing up the situation briefly, it may be said that European grown cabbage will be from 25 to 50 per cent. short and the same may be said of turnips, beets and in fact, nearly all biennials. As to crop conditions in this country, it is so well known that the sweet pea crop will be very short, as to make comment on this unnecessary. Several other California grown items are likely to be on the short list, including carrots, radishes and possibly lettuce, although some shortage in this latter item might not be an unmixed evil. Onion seed was generally reported as promising a fair crop, and beans, especially Limas, give an excellent promise for a fine crop. Reports from Long Island were somewhat conflicting, one or two of the growers there reporting crops as promising fairly well, others predicting a decided shortage.

Garden Peas.

As to garden peas, reports were also more or less conflicting, but the consensus of opinions seemed to be that conditions were vastly more favorable than a year ago at this time, and, while rain is badly needed throughout Michigan and Wisconsin, yet the prospects of a crop, while not for a full one, yet are fairly satisfactory, considering the same in connection with the past two or three years. It must of course, be borne in mind by all readers that these figures and opinions are nothing but estimates based on present crop conditions and there is yet abundant time for deterioration, and in some instances, improvement. So far as the pea crop is concerned, it is very unsafe to give figures as to the probable yield until the crop is practically in the bag.

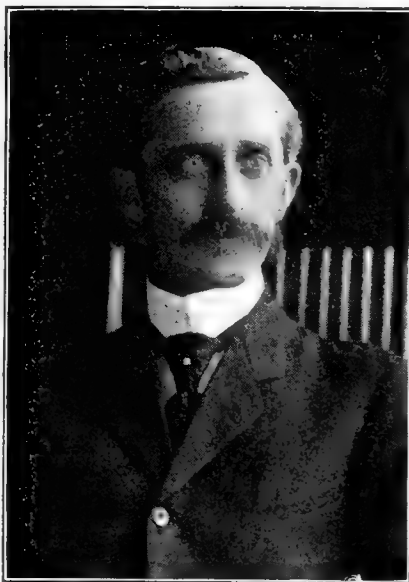
Garden Beans.

Conditions affecting the general line of garden beans are about the same as in our last report, although the outlook, perhaps, is somewhat improved during the past two weeks. Beans were planted late and will suffer from that handicap and will require a warm late autumn to insure a crop.

The foregoing seems to be the best summary of crop conditions which we can furnish at this time, and we hope that as the season progresses, we shall be able to give a more hopeful and satisfactory outcome than now seems possible.

Charles N. Page.

Charles N. Page, president-elect of the American Seed Trade Association, was born in Clyde, Ohio, May 29, 1860. He moved with his parents to Omaha, Neb., in 1868, and thence to Des Moines, Ia., in 1876, where he entered the employ of S. L. Fuller & Co., seedsmen. The name of the firm was later changed to C. W. Dorr & Co. In 1886, he secured a controlling interest and changed the name to the Iowa Seed Co., under which name it has been conducted ever since. For about five years, he was editor of a monthly publication called "The Western Garden and Poultry Journal," which became quite prominent, but owing to the seed business growing so rapidly, he was



CHARLES N. PAGE

obliged to dispose of the publication. He is also the author of quite a number of books which have had extended circulation, some of them reaching the 16th edition.

He has been prominent in the trade, serving as president of the American Seed Trade Association once before, the Society of Iowa Florists, and for five years of the Iowa Seed Dealers' Association.

Seed Trade Notes.

Jerome B. Rice, Jr., has been made President of the Jerome B. Rice Seed Co., to succeed his late lamented father. While the young Mr. Rice has not been very actively identified with the business, it is confidently believed by his many friends that he will make good as his father's successor. Those with whom we have talked are very sanguine that the young man has reserve force and ability which will be plainly made manifest in the near future. We have heard several times from those familiar with the facts, of his unvarying devotion to his father and it may be generally taken for granted that a loyal devoted son will generally make an efficient business man after he has had the necessary experience.

The election of Mr. Page of Des Moines, Iowa, to the office of President

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GIGANTEUM.			
8/10 in.	at \$25.00	per case of 250 bulbs.	
10/11 in.	at 22.50	per case of 150 bulbs.	
11/12 in.	at 22.00	per case of 130 bulbs.	
11/13 in.	at 22.00	per case of 120 bulbs.	
No other sizes for sale.			

Prices for fresh bulbs—fall delivery, 1912.

GIGANTEUM.			
Size.	Case	Per Case.	Per 1,000.
6/8 in.	400	\$16.00	\$35.00
7/9 in.	300	16.00	50.00
8/10 in.	250	22.50	90.00
9/10 in.	200	22.00	110.00

FORMOSUM.			
Size.	Case	Per Case.	Per 1,000.
6/8 in.	400	\$16.00	\$40.00
7/9 in.	300	18.00	60.00
8/10 in.	250	20.00	80.00
9/10 in.	200	17.00	85.00

MULTIFLORUM.			
Size.	Case	Per Case.	Per 1,000.
6/8 in.	400	\$16.00	\$40.00
7/9 in.	300	15.00	50.00
8/10 in.	250	20.00	80.00
9/10 in.	200	18.00	90.00

STEPHENS HARRISII.			
5/7"	400	\$12.00 cash, \$15.00 per case on credit.	
6/7"	335	13.00 cash, 14.00 per case on credit.	
7/9"	200	15.00 cash, 16.00 per case on credit.	

Prices on other sizes and varieties upon application. All prices duty paid, f.o.b. New York. Japan bulbs for fall shipment can also be delivered at same prices, f.o.b. Chicago, Cincinnati, Pittsburgh, Memphis, or Pacific Ports. Send for the Book of Bulbology.



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Pteris Wilsoni	Pteris Wimsetti Multiceps
or Nobilis	Pteris Serrulata Variegata
Pteris Mayii	Cristata
Pteris Hastata	Pteris Cretica Albo-Lineata
Pteris Magnifica	Cyrtomium Falcatum
Pteris Serrulata	Aspidium Thaisianense

\$2.00 per flat—20 flats or more \$1.75 per flat.

Price F. O. B. New York (no cartage).

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of the American Seed Trade Association, while not necessarily establishing a precedent, marks only the second time that a man has been twice elected to that office, the other case being Albert McCullough of Cincinnati. Mr. Page's election is a tribute on the part of the Association to a man who has been one of the most devoted and zealous in the interest of the Association since his election to membership some 24 years ago. Nevertheless, many expressed surprise that it was thought necessary to elect any man a second time in view of the fact that there were a number of aspiring delegates who were perfectly willing to serve the Association in the capacity of President.

We do not think that the method of nominating candidates now followed by the Association is any improvement over the old plan of making the nomination from the floor. In the latter case, if a candidate has good and sufficient reasons to offer against his election, he can state his reasons before the delegates go to the trouble of practically electing him and then compelling him to decline the election. However, this is a matter for the Association to thrash out and we simply offer these remarks as suggestions.

The many graduates of the ancient and honorable firm of Benjamin Reid & Co., Aberdeen, Scotland, including John Farquhar, George Watson, Dan Carmichael and many others, will be interested in the following clipping from an exchange:

"Benjamin Reid & Company, nurserymen and seedsmen, 72 Guild street, have received notice from the Lord Steward that the King has been graciously pleased to grant them a warrant of appointment as purveyors of seeds and plants. The firm was established over a century ago, and has extensive business connections, not only all over the United Kingdom, but also the Continent and America."

We extend our congratulations to Mr. Duthie and his partners and wish them continued prosperity in their august career as "Royal Seedsmen."

Carlisle, Ky.—Rogers & Linville, seedsmen, lost about \$1,500 by fire recently and had but about \$500 insurance.

An item omitted from our recent account of the Bronx Park Show, was the exhibit of Chrysanthemum Seven Oaks by John Miller, gardener for Mr. L. C. Tiffany, Oyster Bay, N. Y. The flowers were very fine, of great size and evidently from disbudded plants.



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**AYRES' WINTER FLOWERING
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POINSETTIAS 2 1-2 in. strong, \$5 per 100;
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Send for Catalogue.
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PLANTED NOW WILL BLOOM IN OCTOBER

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LILIUM GIGANTEUM

6 to 8 inch (350 bulbs to case).....	Per Case	1000
7 to 9 inch (250 bulbs to case).....	\$21.00	\$60.00
8 to 10 inch (200 bulbs to case).....	20.00	80.00
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CABBAGE, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over 85 cts. per 1000.

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Elephant's Ears, (Caladium esculentum)

Good bulbs, 7-9 inches circumference.. \$2.50 per 100. Cash with order. Only a few left.

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Longiflorums, Multiflorums, Giganteums, and Lily of the Valley Pips in cold storage.

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Seed Trade

The Bourne Bill.

The following copy of a letter sent to Senator Penrose, by W. Atlee Burpee, on July 9th, speaks for itself. Seedsmen and catalogue trade men generally will find in it much food for thought:

Honorable Boies Penrose, U. S. Senate, Washington, D. C.

Dear Sir:—Having been called home by wire from California I could not remain as intended in Chicago for the Annual Meeting of the American Seed Trade Association then about to convene. Calling to pay my respects to the president, Mr. Leonard Vaughan, you may imagine my surprise (and disgust) when he handed me a copy of the enclosed circular.

It seemed almost impossible to believe that the Senate Committee on Post Offices and Post Roads, of which you were so long the able chairman, could even seriously consider such a measure as the Bourne Bill (S. 6850). Even its author, the Honorable Jonathan Bourne, Jr., of Oregon, surely must admit upon second thought that it is little short of the ridiculous to make a rate of 12 cents for 7 ozs. of third or fourth class matter when the same weight of first class mail at full letter postage would cost only 14 cents.

Such legislation would seem almost to justify the thought of extreme radicals that this is not a "Government of the people, by the people, or for the people."

The passage of this Bourne Bill would mean practically the ruin of the business to which I have devoted thirty-six years of strenuous work. It would spell ruin also (or necessitate complete reconstruction) of thousands of others in the seed and book business, as well as to houses in many other lines who now depend upon the mail to distribute catalogs as their "Silent Salesman." The injury to lithographic, printing and allied trades would also be incalculable.

The first edition of our retail catalog in December each year is more than four hundred thousand copies. These, weighing 8 ozs. each, are now conveniently mailed and routed direct from The Burpee buildings without trouble or labor to the Philadelphia post office, the wrapper containing each catalog bearing the indicia

4c. Paid,
Philadelphia, Pa.
Permit No. 6.

With stamps affixed this catalog is mailed also all over the world,—at the same rate of 8 ozs. for 4 cents. Now, by Senator Bourne's so-called "Parcels Post Bill" the cost of postage upon a large percentage of the issue would be trebled,—12 cents instead of 4 cents. Is there any reason for the United States wanting to charge three times the rate recognized and long established as fair by every civilized nation,—on both books and pamphlets?

The government of the United States recognizing that seeds like books must frequently be ordered by mail and that their proper distribution is vital to the welfare of the people, established the same rate two ounces for one cent. We would welcome an increase in size of packages from four pounds to twelve pounds, but neither ourselves or our customers could be expected to welcome an increase of fifty per cent in charge for the service,—together with rates on small packages that are absolutely prohibitive. We would certainly (as would all seedsmen and publishers) prefer to have four pound packages remain the limit at the present rate.

At the rate of 12 cents per pound for two thousand miles or more it is hardly likely that the P. O. Department would get much business as the present prepaid express rate to California is only 8 cents per pound,—unless, as is quite likely, the express companies profit by the opportunity to advance their rates.

Trusting that you and the other members of the committee, including Senator Bourne himself (to whom copy of this letter is mailed) may realize the injury this bill would work upon your fellow-citizens and also the protest that would be aroused should its passage be recommended, I remain,

Sincerely yours,
W. ATLEE BURPEE.

A MESSAGE FROM LONSDALE.

Dear Editor:

Herewith you will please find a photograph taken by David Burpee on the Burpee Floradale seed ranch here in the northern part of Southern California, which is located between seven and eight miles from the Pacific Ocean, so that we are less or more subjected to ocean breezes every day in the year. The evenings, nights and early mornings are generally calm and always cool. Temperatures rarely rise higher than 50 degrees at night and are more often below that mark than above, which makes ideal conditions for the production of sweet pea and some other seeds. The rainfall was short this year, barely reaching eight inches, whereas last year we had four times that number of inches. If we could only regulate conditions so that we would have not less than ten inches each season—and fifteen would be bet-

and earlier if the land may be prepared in time (in an experimental way for the present).

We have a number of novelties on trial at Floradale, but as same are also on trial at Fordhook I will refrain from referring to them at this time, because I know that will be attended to by your Philadelphia representative, George C. Watson, a sweet pea enthusiast from away back in the eighties when Henry Eckford began to attract attention as a sweet pea expert and disseminator of practically all the novelties in the older grandiflora types in those early days. I shall watch with interest your columns to learn about the behavior of some of the newer Spencerised novelties which are now growing at Floradale.

It surely was a boon to all lovers of sweet peas when the original Countess Spencer was first class certificat-



AMONG THE WHITE SPENCERS AT LOMPOC

Reading from left to right—Lester L. Morse, Pres. C. C. Morse & Co., San Francisco; Hugh Dickson, Belfast, Great Britain; H. M. Kirby, N. Y., Peter Henderson Co.; E. E. Burgerhof, N. Y., J. M. Thorburn Co.; James Cantlay; A. Lehman, Lompoc; Edwin Lonsdale; Miss Cantlay and Clifford Cantlay, Lompoc; Miss Beatrice Kennedy, niece of Mr. and Mrs. Burpee; W. Atlee Burpee, "The Chief"; Douglas Earl, son of H. M. Earl; W. Atlee Burpee, Jr.

ter—we could then work to much better advantage; and if we could further control conditions so as to have rain commence in October and end in April, at intervals during that term the working of a seed ranch would then be ideal for sure.

The time must come when irrigation will have to be resorted to, so that, after harvest, water applied to the land intelligently would aid in the preparation of the land for future crops and especially those which should be planted early. If the land is fully charged with moisture in the rainy season, which is winter time, there is no necessity for irrigation in summer time, that is to say in Lompoc, for sweet pea seed crops. By referring to the photograph it will be noticed how very short the sweet pea vines are in this short year of 1912. In 1911 the vines grew four times the length and in 1910 about two and a half times, the difference being in the amount of rainfall.

From observations during the past two seasons it would indicate that it is a mistake to sow sweet peas after first week in February, for seed growing purposes, and to commence planting as early as possible in November,

ed in 1901. Nothing in the whole floral kingdom has given us so many new and meritorious varieties in so brief a period as has this type of the sweet pea and the end is not yet! In the very short time which the writer has been so closely identified with the development of sweet peas he has noted some remarkable advances made in this, the most popular of all flowering annuals. Some varieties are more difficult to keep true to type than others, but this adds zest to their cultivation; the possibility of something new appearing causes us to be ever watchful hoping to secure a valuable prize.

EDWIN LONSDALE.

CATALOGUES RECEIVED.

Texas Nursery and Floral Co., Alvin, Texas.—1911-1912 Price List of trees and shrubbery.

Burnett Bros., New York City.—Midsummer Catalogue of Pot-Grown Strawberry Plants, Seeds, Bulbs, etc.

Alma Nurseries, Oudenbosch, Holland.—Trade Catalogue, 1912-1913, The Horticultural Company, Worcester, Mass., agents.

Mt. Desert Nurseries, Bar Harbor,

Boddington's Gigantic Pansies

Can be produced only from the giant strains. Our CHALLENGE PANSY seed contains only the giant self-colors, the giant striped and variegated and the giant blotched, etc., all carefully mixed in proportion. You could not buy better seed if you paid \$100 per ounce. Our Challenge Pansy seed during the past season gave unprecedented satisfaction, and every order booked last year was duplicated and increased this year. All the testimonials received mentioned specially the high grade of flowers—color, form and size of the individual blossoms. This year, by adding improved types, intending customers can absolutely rely on a duplication of this season's success with increased satisfaction. Our "mark" for this strain is "Challenge," and it is all the word denotes.

Pansy—Boddington's "Challenge"—All Giants.

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said: "Why don't you call it Defiance."

½ trade pkt. 25c., trade pkt. 50c., ¼ oz. 75c., ¼ oz. \$1.50, ½ oz. \$2.75, oz. \$5.00.

BODDINGTON'S QUALITY "ENGLISH" PANSY.

A superb strain of highly colored flowers in great variety and immense size.

Our Mr. Bunyard, while visiting the Royal International Exhibition in London, was much impressed with these blooms and secured as much seed as possible—but only sufficient to offer same in packets which we do as follows:—

Trade Packet (500 seeds) for \$1.00
½ Trade Packet (250 seeds) for .50

OTHER CHOICE VARIETIES OF GIANT PANSIES.

Triumph of the Giants. Extremely large flower of beautiful coloring. Should Tr. pkt. ¼ oz. ½ oz. be grown by every florist..... \$0 50 \$2 75 \$5 00

	Tr. pkt.	¼ oz.	Oz.
Boddington's "Challenge" Mixture.....	\$0 50	\$1 50	\$5 00

Giant Trimardeau. Mammoth-flowering, and in a good range of color.....	15	50	1 50
Giant Masterpiece (Frisled Pansy). Petals beautifully waved; exquisite colors....	25	1 25	4 00

Cassier's Giant. A fine strain of large, highly colored flowers.....	15	85	3 00
Giant Bugnot's Stained. Extra choice flowers, large and plenty of light colors	50		

Giant Madame Perret. A recent introduction by a celebrated French specialist; of strong, free growth.....	15	85	3 00
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	15	75	2 50

Giant Lord Beaconsfield. Deep purple-violet, top petals light blue.....	15	50	1 50
Giant Canary Bird. Ground color is a bright golden yellow and each petal is marked with a darker blotch.....	15	85	3 00

Giant Orchidæflora, or Orchid-flowered Pansy. Splendid variety; beautiful shades of pink, lilac, orange, rose, terra cotta, chamois, etc.....	25	1 25	4 00
Giant Emperor William. Ultramarine-blue, purple eye.....	10	50	1 50

Giant Golden Queen. Bright yellow, no eye.....	15	60	2 00
Giant Golden Yellow. Yellow, brown eye.....	15	75	2 50
Giant King of the Blacks (Faust). Black.....	15	60	2 00

Giant President McKinley. Golden yellow, large dark blotch.....	15	85	3 00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	15	75	2 50

Giant Pretiosa. Crimson-rose, white margin, violet blotch.....	25	1 25	4 00
Giant Rosy Lilac.....	15	60	2 00
Giant White. Violet spot.....	10	60	2 00



CHALLENGE PANSY

NOVELTY PANSIES

ADONIS. Light blue, with white center.....	Tr. pkt.	\$0 25
ANDROMEDA. Rosy, with lavender tints.....	25	
BRIDESMAID. Giant flowers of rosy white.....	25	
EMPEROR FRANCIS JOSEPH. Pure white, large violet spots.....	25	
MAUVE QUEEN. A delicate mauve Pansy, the lower three petals marked with a large blotch of carmine...	25	
PSYCHE. Violet, bordered white; beautifully waved petals.....	25	
PEACOCK. All the name implies; a most beautiful vari-colored variety; peacock blue, edged white.....	25	
RUBY KING. Superb crimson and red shades.....	25	
SNOWFLAKE. Pure white; immense flower.....	25	
VULCAN. Giant brilliant dark red, with five black blotches; unique.....	25	

Collection of the above 10 varieties, one packet each, for \$2.00.

BODDINGTON'S GIANT PANSIES TO COLOR.

Named Varieties Mixed

For our customers who desire special shades in Pansies we have pleasure in offering the following:
Light Shades, Yellow Shades, Spotted Shades, Striped and Mottled, Dark Shades, Blue Shades, Bronze Shades, Red and Brown Shades, trade pkt. 25 cts., ¼ oz. \$1.00, ½ oz. \$1.75, oz. \$3.00.

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St. NEW YORK

Me.—Descriptive list of Herbaceous Peonies. This is a judicious selection of the most desirable sorts in the respective classes.

V. Lemoine & Son, Nancy, France, have sent out a sheet with picture and description of their new double yellow Tree Peony La Lorraine—the result of a cross between P. lutea and P. Moutan. The price of plants is \$40 each!

Union Nurseries, Oudenbosch, Holland.—Wholesale Catalogue for 1912-1913. A business-like catalogue, illus-

trated and giving cable code for everything listed. McHutchison & Co., New York, are sole American agents for this concern.

Peter Henderson & Co., New York.—Mid-summer Catalogue for 1912. Cover illustrations of New Fall-Fruiting Strawberry Americus on front and Strawberries Great Ruby, Glen Mary, Excelsior, Success, Commonwealth and Gandy on back.

Lager & Hurrell, Summit, N. J.—Classified and Descriptive List of Orchids. This catalogue, issued by this

well-known firm of orchid specialists, is finely illustrated and the covers show beautiful portraits in colors of Vanda teres and Vanda Sanderiana.

Yokohama Nursery Co., Yokohama, Japan—1912-1913 Descriptive List of Bulbs, Plants and Seeds. Wistarias form an appropriate cover illustration for this interesting oriental publication. There are plenty of pictures, several of which are in colors and the list comprehensively covers the category of Japan specialties in seeds, bulbs, plants and trees.

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(Retailers' Section—S. A. F. & O. H.)

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All Orders Given Prompt and Careful Attention

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WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

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761 Fifth Ave., Cor. E 58th St.

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W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

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THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

Of Interest to Retail Florists

Philadelphia, Pa.—Herbert Stein-
metz has closed his store at 64 North
Eighth street.

Grand Forks, N. D.—The Wickler
Floral Co., is now located at 420 De
Mers avenue.

Buffalo, N. Y.—The J. H. Rebstock
Co. have given up their store 501 Elm-
wood avenue.

Monessen, Pa.—The business of
Earl A. Lutes has been purchased by
Charles Crall.

STEAMER DEPARTURES

Allan.

Parisian, Boston-Glasgow....July 19

American.

New York, N. Y.-S'hampton...July 20

St. Paul, N. Y.-S'hampton...July 27

Atlantic Transport.

Minneapolis, N. Y.-London...July 20

Minnetonka, N. Y.-London...July 27

Cunard.

Campania, N. Y.-Liverpool...July 17

Laconia, Boston-Liverpool...July 23

Mauretania, N. Y.-Liverpool...July 24

Hamburg-American.

Pres. Lincoln, N. Y.-Hamb'g...July 18

Cleveland, N. Y.-Hamburg...July 25

Holland-America.

New Am't'dam, N. Y.-R't'd'm...July 16

Noordam, N. Y.-Rotterdam...July 23

Leyland.

Devonian, Boston-Liverpool...July 20

Winifredian, Boston-Liverp'l...July 20

North German Lloyd.

Kronp. Wilhelm, N. Y.-B'm'n...July 16

K. Wilhelm II, N. Y.-Bremen...July 23

Koenigin Luise, N. Y.-B'm'n...July 25

Red Star.

Kroonland, N. Y.-Antwerp...July 20

Finland, N. Y.-Antwerp...July 27

White Star.

Cymric, Boston-Liverpool...July 16

Celtic, N. Y.-Liverpool...July 18

Oceanic, N. Y.-Southampton...July 20

Arabic, Boston-Liverpool...July 30

Findlay, O.—J. Waaland & Co., 123
Front street, will hereafter be known
as Waaland & Palmer, George A.
Palmer having bought the interest of
E. R. Sackett.

NEW FLOWER STORES.

Marietta, O.—The Marietta Floral
Co. is now located in the Cole building
on Front street.

New York, N. Y.—James Coyle,
wholesale florist, has taken the store
at 101 West Twenty-eighth street.

Seattle, Wash.—H. A. Crouch, Sec-
ond avenue.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

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Must be Prepaid.*

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BROOKLYN—NEW YORK

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ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY

ALBANY, N. Y.

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Established 1874.

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Flowers shipped on all Steamers. Special Correspon-
dents in all the large cities of Europe and the British
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Send flower orders for delivery in Boston
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124 Tremont St., Boston

TRANSFER

Your orders for flower or plant deliv-
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JULIUS A. ZINN
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In Quality and Design

Can be relied upon when you transfer your
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342 Boylston St., Boston

Vases, Garden Furniture, Art Goods and
New Designs in Tuscan Baskets for
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WORCESTER, - MASS.

Delivers to all Points in New England.
125,000 square feet of glass.

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Narragansett Pier and All Other Rhode
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THE J. M. GASSER COMPANY,

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Euclid Avenue

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Delivered on mail or telegraph order for
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Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 44-3.

Of Interest to Retail Florists

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosary, 76 Maiden
Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston
St.

Boston—Penn, the Florist, 37-43 Brom-
field St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Philip L. Carbone, 342 Boylston
St.

Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912
Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.

Indianapolis, Ind.—Florists' Telegraph
Deliveries, 241 Massachusetts Ave.

Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Wash-
ington Sq.

New York—George M. Stumpp, 761 Fifth
Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St.
and Madison Ave.

Providence, R. I.—T. J. Johnston & Co.,
171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main
St., West.

Rochester, N. Y.—J. B. Keller & Sons, 25
Clinton Ave., N.

St. Paul—Holm & Olson, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F.
St.

Wellesley, Mass.—Tailby.

Worcester, Mass.—H. F. A. Lange.

PERSONAL.

W. G. Perrine is now superintendent
of the botanical gardens of the State
University at Berkeley, Calif.

James Souden, formerly of Minne-
apolis, has accepted a position with
John J. DeBorius, Duluth, Minn.

George F. Grennor, formerly of Jack-
sonville, Florida, is now employed by
the Aberdeen Floral Co., Aberdeen,
Miss.

B. P. Critchell of Cincinnati sus-
tained a sprained arm when he slipped
and fell down the porch steps at his
home on Sunday.

G. E. Fuller is now associated with
his father, G. L. Fuller, florist, Monson,
Mass., having given up his position
with the Somerset Woolen Co.

Donald MacRae, formerly with W.
A. Riggs, Auburndale, Mass., is now
employed at Brackenside, the Hugo R.
Johnstone estate, in Hamilton, Mass.

Percy W. Richter, formerly sales-
man for E. G. Asmus & Son, is now
employed by Philip F. Kessler, 55
West 26th street, New York. Percy is
a good salesman and popular.

A characteristic postal card re-
ceived from Harry Bayersdorfer lo-

BOSTON, MASS.

Penn the Florist

"Penn, The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET



**WASHINGTON,
D. C.**

GUDE'S

Member Florists'
Telegraph Delivery.

Chicago.

A. LANGE,

25 E. MADISON ST.

Flower Deliveries in

ROCHESTER, N. Y.

Salter Bros

38 MAIN STREET, WEST.

PROVIDENCE, R. I.

and all **T. J. JOHNSTON & CO.**
New England Points 171 Weybosset Street, Providence

cates that observant traveler as at
the Grand Hotel Frankfurter Hof,
Frankfurt, Germany, right in the
midst of the novelty sources and bent
on securing some great things for the
benefit of the American florist trade.

H. C. Irish has severed his connec-
tion with the Missouri (Shaw's) Bot-
anical Garden after serving as super-
intendent and horticulturist for eight-
een years. Henceforth he will be as-
sociated as landscape architect, with
Henry C. Muskopf and open a new
suite of offices under the title of Mus-
kopf & Irish Company, with offices at
709-711 Title Guaranty Building, St.
Louis.

Boston visitors: Maurice Fuld, of
H. F. Michell Co., Philadelphia, Pa.;
Wm. Lumsden, N. H. Agricultural Col-
lege, Durham, N. H.

Cincinnati callers—W. C. Nolan,
formerly of this city and now with
Herms' Floral Co., Portsmouth, O., and
Arthur Harbison, Harrodsburg, Ky.

At the annual meeting of the Cin-
cinnati Florists' Society Gus Adrian
was re-elected president, James Allen
vice-president, Alex. Ostendarp, secre-
tary, Ed. Forter, treasurer, and A. C.
Heckman, Jr., trustee. Papers con-
cerning publicity in the various lines
of the florist business were given by
O. W. Hoffmeister, A. C. Heckman,
Jr., Hubert Greensmith and Ed. Schu-
mann. Memorial resolutions for W.
R. Smith were adopted. After the
meeting members sat down to refresh-
ments.



SUCCESSFUL FLORISTS

all over the country are using McCray Refrigerators. The circulation of air is so strong and steady that there can be no stagnation or dampness, so that your stock will always be fresh and fragrant. Furthermore the saving in ice will more than pay for the cost.

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will lend attractiveness to your shop. Beautifully made and finished, they are lined with white enamel, opal glass, tile, mirrors or marble, as you desire. Write today for our catalog No. 72 which will give you ideas how to add to the attractiveness of your establishment.

McCRAY REFRIGERATOR CO.

Chicago Office, 55 Wabash Ave. 353 Lake St., Kendallville, Ind. New York Office, 231 West 42nd St.

CHICAGO NOTES. Convention Activities.

All the florists' mail now going out bear the blue and white convention sticker. Committee meetings are almost a daily occurrence and the final details of the S. A. F. Annual Convention August 20-23 in Chicago, are nearing completion. Geo. Asmus says the souvenir album is ready for the printer and is the finest ever sent out by the S. A. F. The advertisers have responded heartily. Secretary of the S. A. F., John Young, is expected here this week and with his coming the convention will seem fairly begun. About 90 per cent. of the space in the large hall is now sold to those who appreciate the value of advertising.

Ravinia Park has been secured for the convention's Entertainment Day. Ravinia Park, which is called Chicago's "Summer Music Capital," is on the beautiful north shore, 21 miles from Chicago and is the "Dream come true" of Walter Damrosch, being one of the most charming places in the world, and the music, the scenery and the tables of good things all together promise a real treat which Chicago gladly offers its guests at convention time.

Trade Notes.

John Zeck broke ground this week for his new houses in Oak Park, not an extension range but of good size for the valuable ground they occupy.

N. Monsen, 1500 W. Huron St., will open a new store at 3310 Fullerton Ave. Mr. Monsen is a young florist, old in the business, having begun in Norway at the age of 12, later going to Germany and then to America where close application to business has won success. He will operate both stores.

Canger & Gormley took a ten year lease Wednesday, at 412 S. Michigan Ave., in the Fine Arts Building. This is one of the choice locations in the city and has a window 14x12 ft. adjoining the main entrance. Mr. Canger has still a five year lease on the store at 187 N. State St. and has not yet decided what to do with it. He has always attended strictly to business and his advance is a natural result.

At the annual meeting of the Chicago Flower Grower's Association the resignations of Joseph Schoos and F.

Mier from the Board of Directors were accepted, and Fred Schramm of Arlington Heights and Fred Stielow of Niles Center, were elected to fill the vacancies. Fred Schramm is a well known successful grower of carnations and peonies, and Fred Stielow has just completed a new range of modern houses devoted to roses and both will be valuable members of the Board.

Personal.

The two bridegrooms C. L. Washburn and Frank Johnson are back and receiving congratulations.

Miss Anna Wickstrom, who has presided over the store of Otto F. Larson, 63rd St. and Ashland Ave., will hereafter reign over the heart and home of the proprietor instead. The wedding took place June 29th.

Mr. and Mrs. Fred Munzing are in Iowa with relatives.—Miss White of Samuelson's is vacationing.—From Winterson's, Adolph Benesch is in Texas; from J. B. Deamud's, Ernest Farley is in Indianapolis, Ind., visiting his home folks and Joe Einwich of Bassett & Washburn's is away to rest.

NEW YORK NOTES.

The Stumpp & Walter Co. anticipate putting up a large display of sweet peas at the Boston show and will be represented by William Sperling.

Alexander B. Scott, with Mrs. Scott, were passengers with Hugh Dickson on the Columbia, Mr. Scott making the trip in order to take stock of the seedlings on Messrs. Dickson's rose nurseries.

The effects of the continued dry spell are visible on all sides, and vegetation is sorely in need of rain. Much of the stock planted this spring will suffer severely unless we soon get a change.

An added attraction in the grounds of the Brighton Beach Hotel is a century plant now coming into bloom. This specimen is being displayed by Condon of Brooklyn, and is attracting the attention of the many thousands of visitors to this popular rendezvous by the sea.

Otto Heineken, representing J.

Hein's Sons, Halstenbek, Germany, is here this week. He reports heavy sales and good prospects for fall.

Owing to the exceptional shortage in crop which we are facing this season, bulk orders will, he thinks, be cut to 20 per cent, a serious outlook.

The town of Freeport, L. I., is contemplating among other improvements the construction of a public park. This is a step in the right direction and indicates a general public trend in the betterment and beautification of small towns as well as large. A public interest in landscape improvement and horticulture in general is a "bright sign of the times."

McHutchison & Co. report the best season in their history of raffia, which is a big item with this firm. Their stock at present is between 400 and 500 bales. Their staff at the temporary premises in Greenwich street are having a busy time just now shipping ferns in flats. James McHutchison sails for Europe on the 13th inst. on the George Washington, his "compagnon de voyage" being Thomas B. Meehan.

Hugh Dickson returned to Europe aboard the Anchor Liner, Columbia, on the 6th inst. In the course of a little chat with Mr. Dickson before his departure, he expressed the great pleasure and enjoyment he had derived from his visit to this country, where he is now so well known among all classes of the horticultural world. The automobile part of the trip out West was made in stages of about 80 to 100 miles per day—the enjoyment of which was none the less enhanced by ideal weather conditions, and it was only at San Jose that excessive heat was experienced where they registered 103. He was great in his praise of Messrs. Burpee's sweet pea ranch at Lompoc where, he remarked, Edwin Lonsdale was doing grand work. There were many beautiful novelties on view, but the one that appealed to him most was a lovely primrose Spencer, which at present goes under the name of Floradale Fairy. It is a genuine primrose throughout with standards perfectly fringed, and, says Mr. Dickson, "is the last thing in sweet peas."

SWEET PEA HEADQUARTERS COPLEY SQUARE HOTEL

Huntington Ave., Exeter and Blagden Streets
BOSTON, MASS.



AMOS. H. WHIPPLE, Proprietor.

Convenient to the Exhibition Hall, Congenial and Home-like. Rooms without bath, \$1.50 per day up. With bath, \$2.00 per day up.

EUROPEAN PLAN.

PHILADELPHIA NOTES.

David Adam of Dreer's moved his family from Jersey City to West Philadelphia on the 6th inst.

Charles E. Meehan and a number of other Philadelphia florists and near florists went to Lancaster on the 11th inst. to take part in the annual outing of the Lancaster brethren. A full account of this event will appear next week.

Arctotis grandis is the name of the new lavender daisy referred to in this week's market notes. It has petalage very much in form of the African orange daisy. The eye, which is dark also, is much larger than in *Dimorphotheca aurantiaca*. This item is being grown by John Savage, Gwynedd Valley. Has got length, stems and is entirely different from the *Arctotis breviscapa*, the yellow annual sort familiar to most of us.

There are horses for sale at Nielsen's. Pretty good horses too—for the shape they are in. Arthur says they have a record, but declines to give figures. Says their records are at least as good as mine. One's named "Bessie," the other "Ready Money." One's blue—the other gray. The reason for the passing of these good and faithful friends—with their wagons and harness—is the recent advent of another autocar for the delivery service. Who will be patriotic? Who will fire the first shot? Shall it be the blue or the gray? Start the bidding, gentlemen.

Raymond Brunswick, a nephew of Bernard Eschner, has joined the forces of M. Rice & Co. He will be thoroughly ground in the elementaries of the business, and if all goes well, we may hope to see in a few years this young man taking his place as one of the factors in this great establishment—the personnel of which holds its place entirely from merit and not from favor. No other policy could have placed this firm in the commanding position it now occupies. It has a fine, well-drilled army of splendid workers, each in his proper place and all pulling together for the glory and profit of "The House of Rice."

Visitors: John Miesem, Elmhurst, N. Y.; F. O. Tuemmler, Brooklyn, N. Y.; Myron Heller, New Castle, Ind.; Fred H. Lemon, Richmond, Ind.; C. B. Coe, D. M. Ferry & Co., Detroit, Mich.; W. B. Hibbard, Durham Floral Nurseries, Durham, N. C.; Mrs. G. G. Goldback, Lancaster, Pa.; Jno. D. Lewis, Lewis Bros., Wilmington, Del. Antoine Leuthy, Boston, Mass.

POLYPODIUM MANDAIANUM.



Fifteen feet high made of cut fronds cut on the 5th of May at South Orange and kept out of water and staged on the 22nd of May at the Great Show in London.

LOOKING AFTER DETAIL.

Every man that's living has some aim,
Whether it's high, or low, or sporty, just
the same;

Desire to live and gather up the gold,
As our fathers used to do in times of old.

Lots of us are chasing after whales,
Lots of us believe in grand old tales;
Few of us can catch the little sprat
With one swoop in a fedora hat.

Many are the misdeeds that prevail
By not looking after small detail;
When you have a purpose, to be sure,
Looking after small detail is cure.

Everyone can think, and think it twice,
Not a one can think, no matter if he's
wise,
Three things at once, and efforts spent
Are lost divided on three different scent,

Now, while I'm at the subject, let me tell
If anything needs doing, do it well —
Do it with a will, and to be sure,
Looking after detail is the surest cure.

—A. JABLONSKY.

WASHINGTON NOTES.

Miss Margaret Boyle, of the Centre Market, is now able to attend the market and stay throughout the entire day. Miss Boyle has had quite a siege of it, being ill for nearly two months.

Frank L. Schultz has removed his stock from stall 292 to stall 295, Centre Market. At the latter number he has erected a fine new sanitary tile stand which is very attractive and far superior to the old style stalls of wood.

The delay of Congress in passing the Agricultural Department appropriation bill may result in the failure of the Secretary to obtain seeds for the annual distribution by the Department. Last year 900 tons of seeds were disposed of and the applications for free seeds that are being received would make it appear as though an equal amount would be required this year.

Samuel Everitt is spending his vacation in Centreville, Md., the home of his parents. Walter Hawley leaves for New York and Boston, to be gone about four weeks. Both these young gentlemen are employees of the Gude Bros. Company. O. A. C. Oehmler will spend a part of this month and all of August with his family at his summer home at Colonial Beach, Va.

Quite a number of florists who have their houses in the Anacostia district are interested in the fight being waged by the Anacostia Citizens' Association for a free express delivery system in that section. All express and freight shipments consigned to them are billed only as far as Washington proper and in order to get them to Anacostia, the consignee is called upon to pay an additional cartage fee. Other sections of the District of Columbia now enjoy a free delivery service and the citizens of Anacostia have taken the matter up with the Interstate Commerce Committee.

A GOOD EXHIBITION FLOWER HOLDER.

The new flower vase which is advertised elsewhere in this paper by Messrs. Farquhar is well worth examination by all who are in any way interested in the proper displaying of cut flowers on the exhibition table. We understand that the Massachusetts Horticultural Society has purchased three gross of these vases and some of them may be seen in use at the sweet pea show this week. The metal bottom gives the stability required in so tall a holder and the little device for holding name card will appeal at once to everyone.

FIELD GROWN CARNATION PLANTS

We have them in all stages. Some ready for delivery July 15th, others will be in good condition in August and September. You can place your order now, and we will ship them when you are ready for them. Complete list and quotations on request.

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner
12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

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FOR
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THOSE
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BY THE

Boston Florist Letter Co.

68 PEARL ST., BOSTON

M. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

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37 Randolph St., Chicago, Ill.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
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Everything in Flowers
Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

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WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati.

POEHLMANN BROS. CO.

Cut Flowers All the Year Round

33-35-37 RANDOLPH STREET,

Greenhouses, Morton Grove, Ill.

CHICAGO

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON July 10	CHICAGO July 9	ST. LOUIS July 9	PHILA. July 9
Am. Beauty, Fancy and Special....	15.00 to 20.00	20.00 to 25.00	15.00 to 20.00	15.00 to 20.00
" " Extra.....	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00	10.00 to 15.00
" " No. 1.....	6.00 to 8.00	10.00 to 15.00	8.00 to 10.00	6.00 to 8.00
" " Lower grades.....	1.00 to 4.00	4.00 to 8.00	3.00 to 4.00	3.00 to 5.00
Richmond, Fancy and Special.....	5.00 to 6.00	5.00 to 8.00	5.00 to 6.00	4.00 to 6.00
" " Lower Grades.....	.50 to 3.00	2.00 to 5.00	3.00 to 4.00	2.00 to 3.00
Killarney, Maryland, Fan. & Spl....	3.00 to 6.00	4.00 to 6.00	5.00 to 6.00	5.00 to 6.00
" " Low. Grades.....	.25 to 1.00	1.00 to 4.00	2.00 to 4.00	2.00 to 3.00
Bride, 'Maid.....	.25 to 4.00	2.00 to 5.00	3.00 to 4.00	2.00 to 6.00
Taft, Hillingdon, Ward.....	1.00 to 6.00	4.00 to 6.00	3.00 to 5.00	2.00 to 6.00
Kaiserin, Carnot.....	4.00 to 6.00	2.00 to 6.00	3.00 to 5.00	3.00 to 8.00
CARNATIONS, First Quality.....	.75 to 1.50	1.50 to 2.00	1.00 to 1.50	2.00 to 3.00
" " Ordinary.....	.25 to .75	..... to 1.00	.50 to .75	1.50 to 2.00
MISCELLANEOUS				
Cattleyas.....	35.00 to 50.00	40.00 to 45.00	40.00 to 50.00	..... to 50.00
Lilies, Longiflorum.....	3.00 to 5.00	4.00 to 8.00	6.00 to 8.00	4.00 to 8.00
Lily of the Valley.....	2.00 to 3.00	2.00 to 4.00	3.00 to 4.00	1.00 to 4.00
Gladioli.....	2.00 to 3.00	3.00 to 5.00	4.00 to 6.00	4.00 to 6.00
Snapdragon.....	..... to 1.00	3.00 to 6.00	3.00 to 4.00	2.00 to 4.00
Mignonette.....	1.00 to 2.00	..... to	3.00 to 4.00	..... to
Daisies.....	.50 to 1.00	.50 to 1.50	.25 to .35	..... to
Sweet Peas.....	.15 to .50	.50 to 1.00	.10 to .25	.50 to .75
Gardenias.....	6.00 to 10.00	..... to .....	..... to .....	..... to 25.00
Adiantum.....	1.00 to 1.50	..... to .75	1.00 to 1.50	1.00 to 1.50
Smilax.....	8.00 to 12.00	15.00 to 20.00	12.00 to 15.00	12.50 to 15.00
Asparagus, Plumosus, Strings (200).....	..... to 50.00	50.00 to 75.00	35.00 to 50.00	35.00 to 50.00
" " & Spen. (100 bchs.).....	25.00 to 50.00	25.00 to 50.00	15.00 to 25.00	35.00 to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

CHICAGO CARNATION COMPANY

A. T. PYFER, Manager

30 East Randolph Street,

CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, CHICAGO

Flower Market Reports

Business has been very **BOSTON** unprofitable this week.

A few little orders are stringing along into the wholesale markets, but altogether they count up pretty small in the final summing up. Roses burst out flat before they can be got into the cooler. Nothing can be done with carnations and sweet peas, which are in abundance, damp off in the box from the sultry heat. It is the worst period on record as to weather conditions and effect on flowers. The ice dealers are in clover.

Summer conditions pre-
BUFFALO vail and the past week had bad effect on business in general, also on all greenhouse material, the wholesaler having his share of trouble in not only handling the tremendous daily receipts but finding an outlet. Carnations and roses, also outdoor sweet peas were had in quantity and clean-up sales on large lots were not to be had. The bargain sign no longer has an effect on the public and the severe hot weather of the past few days has driven the people to cooler parts, where other things are indulged in. Peonies are just about over and candidum lilies were on for a few days and have had a fairly good sale. There are plenty of Beauties, also a fine lot of summer roses. Kaiserin, Carnot and Maryland have been no finer at any time. Ward and Taft are good but lack a demand. It is a matter of the wholesalers carrying all the stock and having whatever is wanted on urgent calls. The coolers have been overworked for some time and it looks as if a rest should come at an early date.

A very large proportion
CHICAGO of stock sold during the past week is said to have been confined to peonies. Where home-grown peonies were placed in cold storage they are proving all that could be desired and the supply will last well toward the end of July and prices are not below leaving a margin of profit. Those firms not handling peonies are depending upon roses and asters mainly, and the latter are now here in quantity. One house had a consignment of 7000 asters and none were lost, though price was not high, many selling for \$1.00 per 100. Lily of the valley is still in demand and very fair stock is offered. Carnations of large size and good color are to be had, their appearance rather exceeding their keeping qualities. The usual varieties of out-door flowers are here. Gladioli of all shades and with tall, strong spikes are offered in plenty, price averaging more satisfactory to buyer than grower. There is plenty of good green.

A MAGNIFICENT LOT OF FIELD GROWN CARNATION PLANTS



We are now booking orders for July delivery from stock selected and grown especially for us, which is in extra fine shape. Our guarantee goes with every Carnation Plant we send out, thus insuring to you the very best of quality and satisfaction.

	100	1000
Comfort	\$8.00	\$75.00
Beacon	8.00	75.00
Harlowarden	6.00	50.00
Victory	6.00	50.00
White Enchantress	8.00	75.00
White Perfection	8.00	75.00
White Wonder	10.00	90.00
Gloriosa	10.00	90.00
Mrs. C. W. Ward	8.00	75.00
Washington	10.00	90.00
Enchantress	7.00	60.00
Rose Pink Enchantress	7.00	60.00
Princess Charming	7.00	60.00
Winsor	7.00	60.00
Dorothy Gordon	7.00	60.00
Pennsylvania	7.00	60.00
Winona	7.00	60.00
Variegated (yellow)	7.00	60.00

ROSE PLANTS: Some very fine stock; guaranteed good, healthy plants. A special lot.

	100	1000
Own Root, 3-inch:		
White Killarney	\$10.00	\$90.00
Double Pink Killarney	10.00	90.00
Pink Killarney	10.00	90.00
Own Root, 2 1/2-inch:		
Double White Killarney	25.00	200.00
Grafted, 3-inch:		
White Killarney	18.00	150.00
Pink Killarney	18.00	150.00

RIBBONS AND SUPPLIES: Many new patterns in exclusive Ribbons. Write us for prices on these and on supplies.

During July and August store closes at 5 P. M.

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA
1608-1620 Ludlow St.

NEW YORK
117 W. 28th St.

WASHINGTON
1212 New York Ave.



WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI June 4		DETROIT June 11		BUFFALO July 2		PITTSBURG July 9	
Am. Beauty, Fancy and Special.....	25.00	to 35.00	25.00	to 30.00	15.00	to 20.00	20.00	to 25.00
“ “ Extra.....	15.00	to 20.00	20.00	to 25.00	10.00	to 15.00	15.00	to 18.00
“ “ No. 1.....	12.50	to 15.00	15.00	to 20.00	6.00	to 10.00	8.00	to 12.00
“ “ Lower grades.....	2.00	to 8.00	5.00	to 12.00	2.00	to 4.00	2.00	to 4.00
Richmond, Fancy and Special.....	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00
“ “ Lower Grades.....	2.00	to 4.00	4.00	to 6.00	3.00	to 4.00	3.00	to 4.00
Killarney, Maryland, Fan. & Spl.....	6.00	to 8.00	6.00	to 8.00	5.00	to 6.00	6.00	to 8.00
“ “ Low. Grades.....	2.00	to 4.00	4.00	to 6.00	2.00	to 3.00	2.00	to 4.00
Bride, 'Maid.....	3.00	to 6.00	4.00	to 8.00	2.00	to 5.00	.....	to
Taft, Hillingdon, Ward.....	.....	to	4.00	to 8.00	3.00	to 4.00	4.00	to 6.00
Kaiserin, Carnot.....	.....	to	4.00	to 8.00	3.00	to 8.00	4.00	to 8.00
CARNATIONS, First Quality								
“ “ Ordinary	2.00	to 3.00	2.00	to 3.00	1.50	to 2.00	.....	to 2.00
“ “	1.00	to 1.50	1.00	to 2.00	1.00	to 1.50	1.00	to 1.50
MISCELLANEOUS								
Cattleyas.....	50.00	to 60.00	40.00	to 50.00	40.00	to 50.00	40.00	to 50.00
Lilies, Longiflorum.....	10.00	to 12.50	12.50	to 15.00	6.00	to 10.00	.....	to 8.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Gladioli.....	.....	to	3.00	to 8.00	3.00	to 5.00	4.00	to 8.00
Snapdragon.....	1.00	to 2.00	.....	to	3.00	to 4.00	.....	to
Mignonette.....	4.00	to 5.00	3.00	to 4.00	.....	to .....	.....	to
Daisies.....	.....	to .....	.50	to .75	.50	to 1.00	.....	to 1.00
Sweet Peas.....	.25	to .60	.50	to .75	.25	to .50	.50	to 1.00
Gardenias.....	.....	to .....	.....	to 25.00	6.00	to 10.00	.....	to
Adiantum.....	1.00	to 1.25	1.00	to 1.50	.75	to 1.50	1.00	to 1.25
Smilax.....	12.50	to 15.00	12.50	to 15.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, Strigs (100).....	35.00	to 50.00	20.00	to 30.00	40.00	to 50.00	.....	to 25.00
“ “ & Spreng. (100 bchs.).....	25.00	to 35.00	20.00	to 30.00	25.00	to 35.00	30.00	to 50.00

Business must have
CINCINNATI been paralyzed by the heat. Plenty of stock is to be had but few seem to want it in any quantity. Roses and gladioli are good but they are not

realizing the prices they should. Carnations are the worst offenders. The local stock is good as a whole but the shipped arrives in a soft condition. None bring a good price.

(Continued on p. 58.)

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Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
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Simple methods of correct accounting
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Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
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Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes. LARGEST GROWERS
by the 100, 1000 or 10,000. The HOME OF THE LILY
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Wholesale Commission Dealer in
CHOICE CUT FLOWERS
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MONTREAL FLORAL EXCHANGE, LTD.
ORGANIZED FOR THE BENEFIT OF THE CANADIAN TRADE.
CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION.
Home-grown Stock a Specialty. STRICTLY WHOLESALE; NOTHING SOLD
AT RETAIL.
Ample reference furnished as to standing and financial ability of the company.
123 MANSFIELD STREET, MONTREAL, P. Q.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS Tel. 759
Mad. Sq. 55 W. 28th St., New York

NEW YORK QUOTATIONS PER 100 To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending July 6 1912		First Half of Week beginning July 8 1912	
American Beauty, Fancy and Special.....	8.00	to 15.00	6.00	to 30.00
" " Extra.....	3.00	to 5.00	4.00	to 6.00
" " No. 1.....	1.00	to 3.00	2.00	to 5.00
" " Lower Grades.....	.....	to .50	.....	to .50
Richmond, Chateaux, Extra and Special.....	2.00	to 3.00	2.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.25	to 1.00
Killarney, My Maryland, Extra and Special.....	2.00	to 3.00	1.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.25	to 1.00
Bride, 'Maid.....	.50	to 3.00	.25	to 3.00
Taft, Hillingdon, Ward.....	.50	to 5.00	.50	to 4.00
Kaiserin, Carnot.....	.50	to 5.00	.50	to 4.00
Carnations, First Quality.....	.75	to 1.50	1.00	to 2.00
" " Ordinary.....	.25	to .50	.50	to 1.00

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones { 1684 } Madison Square
{ 1685 }
CONSIGNMENTS SOLICITED

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TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

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THE FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., N. Y.
Telephone 7062 Madison

Telephone 3860 Madison Square
WOODROW & MARKETOS
WHOLESALE
Plantsmen and Florists
41 West 28th Street, NEW YORK

Henry M. Robinson & Co.
Wholesale Florists
46 West 26th St., New York
Telephone, Madison Square 8510
Also 15 Province St., 9 Chapman Place
BOSTON, MASS.

Wired Toothpicks
Manufactured by
W. J. COWEE, Berlin, N. Y.
10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers

HARDY CUT FERNS
FANCY and DACER
Galax, Boxwood, Laurel
Roping, Wild Smilax, etc.
Hartford & McDonough
70 PEMBERTON SQ., BOSTON



Flower Market Reports

(Continued from page 57)

NEW YORK As is to be expected with the arrival of a genuine heat wave, the comatose state of the market during the past few weeks has shown no signs of increased activity, but adding the situation carefully up, business is really not so bad for the time of year. The supply of all stocks far exceeds the demand, but large quantities of carnations, roses and lily of the valley have been disposed of during the past week on account of important weddings and funerals. There has been a fair supply of asters, all colors and good quality, which found a ready market. Extra Beauties, Brides and Kaisersins have been going well, but this is no weather for Killarneys, Richmonds and similar thin varieties.

PHILADELPHIA Fourth of July with its attendant festivities and stoppage of industry, cut a big hole in last week's overturn. Not such an awful lot of flowers but even at that far too big an influx for the demand. Cornflower, coreopsis, gaillardia in big supply, but very little of these or the big offerings of other outdoor subjects, found a market. The best selling items were asters and water lilies. The rose market was very much overdone. Roses were perhaps an exception to the general rule and seemed to be much more plentiful for the week than in previous years. American Beauty, while really the best roses on the market, showed the effects of the warm weather and did not sell well. Next to Beauty came the double pink and double white Killarneys. Mrs. Taft and Maryland were also good, and, of course, there were some pretty fair Kaisersins. The bulk of the carnations arriving were of poor quality and sold for a few cents a bunch. The few good ones brought fair prices. There are some outdoor gladioli to be had, and these are having their effect on the prices of the indoor stock. In a week or so the outdoor gladioli will dominate the situation and prices will be down to zero. Blue arctotis is a new item. It is a pale lavender daisy with a dark center—very graceful and attractive. Seems to close up at night, but we have not verified this. Gardenias and orchids normal.

ST. LOUIS Markets have been overloaded with stock all during the last week. The hot weather shows its ef-

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street, Boston, Mass.

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending July 6 1912		First Half of Week beginning July 8 1912	
Cattleyas.....	12.00	to 35.00	15.00	to 35.00
Dendrobium formosum.....	20.00	to 25.00	20.00	to 25.00
Lilies, Longiflorum.....	1.00	to 3.00	1.00	to 3.00
" Speciosum.....	1.00	to 3.00	1.00	to 3.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Gladioli.....	3.00	to 6.00	3.00	to 6.00
Snopdragon.....	1.00	to 3.00	1.00	to 3.00
Daisies.....	.50	to 1.00	.50	to 1.00
Sweet Peas (per 100 bunches).....	1.00	to 3.00	1.00	to 3.00
Gardenias.....	10.00	to 25.00	10.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings.....	.....	to 35.00	.....	to 40.00
" & Spren. (100 bunches).....	10.00	to 16.00	10.00	to 16.00

fect on all the stock that comes in. The store men are only buying in small lots now as they have passed a very dull week in all lines. The wholesalers are offering sweet peas at your own price. Roses and carnations suffer greatly from the hot spell and are none too good when shipped in and home-grown stock has the call just now. With a few exceptions all the stock that comes in now is outdoor grown.

WASHINGTON Business, as is usual this time of the year is quite dull, although there is considerable funeral work to be had. The social calendar is practically blank and until the return of the elite in the fall nothing much can be expected. Stock of all kinds is plentiful, although not of the best quality and is offered without price.

IN BANKRUPTCY.

Evanston, Ill.—Frank Kadlec, nurseryman, Church street, has filed a petition in bankruptcy with liabilities of \$13,823.41 and assets of \$7,926.88.

NEWS NOTES.

Wauwatosa, Wis.—H. Locker & Sons are now located in their new plant. They were formerly in Milwaukee.

Stuart, Fla.—John Bental has purchased the old schoolhouse property of Walter Kitching and will establish a nursery.

Columbus, O.—The Goldwood Greenhouse Co., Goldwood township, has increased its capital stock from \$20,000 to \$25,000.

Los Angeles, Cal.—The greenhouses and stock of the Rosedale Nurseries, West Washington street, have been bought by the Roserie, 721 Broadway.

INCORPORATED.

Chicago, Ill.—Dickinson Seed Co., capital stock \$1,250,000. Incorporators, Charles Dickinson, Frances Dickinson and Eugene H. Garnett.

Bridgeport, Conn.—Pequonnock Co., florist, capital stock \$15,000. C. Lewis Bill, president and treasurer; Theodore B. Ford, vice-president; D. Fairchild, secretary.

Miami, Fla.—Miami Tropical Nursery Co., capital stock \$5,000. Charles Montgomery, president; Frank O. Zunwalt, vice-president; A. D. H. Fossey, secretary and treasurer.

THE Florists' Supply House of America

H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.

CHINESE PRIMROSES

VERY BEST STRAIN.

2½ in. pots, \$3.00 per 100; \$25.00 per 1000;
500 at 1000 rates.

Cash with Order

FRANK OECHSLIN

1911 W. Quincy St., CHICAGO, ILL.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4891 Main

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ALTERNANTHERAS

Alternantheras, two kinds red, one yellow; fine bushy plants, 2 inch pots and excellent colored. Henry Krinke & Son, St. Paul, Minn.

AQUATICS

Water Lilies. The beautiful, large, deep pink tender Nymphaea Devonensis and the beautiful, large white Nymphaea dentata, only \$1.00 each; regular price, \$2.50 each. For fountains, ponds and lakes. Extra fine, strong, healthy plants. Send orders at once to be booked for shipment while they last. Franklin Barrett, Olney P. O., Philadelphia.

To Close for Cleaning Pool, 20% for Cash With Order.

Water hyacinths, the oddest, most beautiful and valuable plants; extra strong, in the finest condition: \$5.00—100, \$35.00—1000; second grade, \$3.00—100, \$18.00—1000. Blooming water hyacinths make leaders at 25c. retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

ARAUCARIAS.

Godfrey Aschmann, Philadelphia, Pa.
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ASPARAGUS

Asparagus Plumosus Nanus seedlings. Have your order booked for August delivery, any amount. Peter Mack, Box 172, Orlando, Fla.

Asparagus Sprenger, 2 and 2½ in. for 2c. and 2½c. Cash. Russell Bros., R. 4, Syracuse, N. Y.

5000 strong 3-in Asparagus plumosus. \$50.00 per 1000; \$6.00 per 100. Erdman & Ulrich, Belair Road, Baltimore, Md.

Asparagus plumosus nanus plants from flats, grown from our own greenhouse seed, \$8.00 per 1000 plants. B. H. Haviland, Mt. Healthy, O.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Loechner & Co., New York, N. Y.
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BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS.

A. Leuthy & Co., Boston, Mass.
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John McKenzie, North Cambridge, Mass.
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A. N. Pierson, Inc., Cromwell, Conn.
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R. Vincent, Jr., & Sons Co., Whitmarsh, Md.
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BIRD HOUSES.

Stampp & Walter Co., New York, N. Y.
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BEGONIAS

Thomas Roland, Nahant, Mass.
Lorraine Begonias.
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Begonia Lorraine, 2½-inch pots, \$12.00 per hundred; \$50.00 per five hundred. Begonia Cincinnati, \$30.00 per hundred; \$175.00 per thousand. Begonia Agathe, \$2.00 per doz., \$12.00 per 100; Begonia Turnford Hall, \$2.00 per doz., \$12.00 per 100; Begonia Betty Anderson, \$2.00 per doz., \$12.00 per 100; Begonia La Patrie, \$2.00 per doz., \$12.00 per 100. Immediate delivery. Julius Roehrs Co., Rutherford, N. J.

BOXWOOD TREES

Bobbink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees, all sizes. Ask for special list.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOXES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BULBS AND TUBERS

Arthur T. Boddington, New York, N. Y.
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Joseph Breck & Sons, 47-54 N. Market St., Boston.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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Ralph M. Ward & Co., 71 Murray St., New York.
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Horseshoe Brand Lilies.
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James Vick's Sons, Rochester, N. Y.
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John Lewis Childs, Flowerfield, L. I.
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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
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Weeber & Don, New York, N. Y.
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P. H. Goodsell, New York, N. Y.
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Bulbs of all descriptions. Write for prices. C. Keur & Sons, Hillegom, Holland.
New York Branch, 31-33 Broadway.

CANNAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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CAPE JASMINE

Cape Jasmine, fine cuttings, 8 inch and over, ready for rooting; 100 \$1.00, 1000 \$8.00, prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.
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Wood Bros., Fishkill, N. Y.
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CHRYSANTHEMUMS

R. J. Irwin, New York, N. Y.
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Elmer D. Smith & Co., Adrian, Mich.
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Chrysanthemum Maj. Bonnacon, strong, healthy and well rooted, \$15.00 per 1000. Cash. W. B. Garvin, Leola, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANTHEMUMS (Rooted Cuttings).

500 Mrs. D. Syme, 1000 Smith's Advance, \$2.50 per 100. 500 each Touset, Alice Byron, Ivory, Donatella, Yellow Jones, 2500 Robt. Halliday, Mrs. Hurley and Baby, 8000 J. Rosette. \$15.00 per 1000. Cash with order.

William Swayne, Kennett Square, Pa.

CHRYSANTHEMUM, THE. By A. Herrington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 160 pages. Price 50 cents.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

R. J. Irwin, New York, N. Y.
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Cyclamens, 3-inch pots, \$10.00 per 100; \$80.00 per 1000. Julius Roehrs Co., Rutherford, N. J.

Cyclamen, the finest strain money can buy, 3, 3½, 4 and 5-in. pots, \$10.00, \$15.00, \$20.00 and \$25.00 per 100. Cash with order William Hoffman, Pawtucket, R. I.

DAHLIAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

DAISIES

Yellow daisies. Rooted cuttings, \$2.00 per 100, \$18.00 per 1000; out of 2½-in. pots, \$4.00 per 100, \$35.00 per 1000. Satisfaction guaranteed. Cash with order. Conrad Schultz, Westerly, R. I.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Florists' Blood and Bone.
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United Fertilizer Co., Chicago, Ill.
Evergreen Brand Fertilizer.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FERNS

A. Leuthy & Co., Roslindale, Mass.
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Godfrey Aschmann, Philadelphia, Pa.
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Joseph Heacock, Wyncote, Pa.
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Frank Oechslin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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R. J. Irwin, New York, N. Y.
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F. R. Pierson Co., Tarrytown-on-Hudson, New York.

Choice Ferns.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Boston Ferns, fine stock, for 6 in., 25c.; for 4 in., 12c. Orders booked now for Boston and Whitman, young, \$20.00 per 100. Cash. A. E. Monroe, Wellesley Farms, Mass.

Adiantum cuneatum, 4 in., \$8.00 per 100. Wm. Capstick, Auburndale, Mass.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass., and 46 W. 26th St., New York.

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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York
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FREIGHT TRUCKING.

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Syracuse Pottery Co., Syracuse, N. Y.
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GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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John McKenzie, North Cambridge, Mass.
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500 Geraniums, Nutt. Ricard, Poltevine and Buchner, \$50.00 per 1000, out of 3 1/2 inch pots, packed to ship anywhere. Cash. Tomlinson, King Street, Dorchester, Mass.

GLASS

Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 215-217 Havermeyer St., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLADIOLUS

John Lewis Childs, Flowerfield, N. Y.
Special Gladioli.

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GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GREENHOUSE BUILDING MATERIAL

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Foley Mfg. Co., Chicago.

Pecy Cypress for Benches.
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Wm. H. Lutton, Jersey City, N. J.
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Pierson U-Bar Co., Madison Ave., New York.
Designer and Builder.

Daniel Iliffe, Boston, Mass.
Greenhouse Heating and Ventilating.

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Hitchings & Co., 1170 Broadway, N. Y.

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HAIL INSURANCE

Florists' Hail Assn. of America.
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38 and 40 Broadway, Detroit, Mich.
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Scotch Soot.

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Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.

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Stumpp & Walter Co., New York.

Killdead Tobacco Dust.

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Appline Manufacturing Co., Madison, N. J.
Appline and "Squito-Rid."

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Standard Insecticide.

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"Tip Top" Tobacco Powder.

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Kentucky Tobacco Product Co.,

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P. R. Pilethorpe, Inc., Clarksville, Tenn.
Nicotidine Bug Killer.

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IRON GUTTER.

Metropolitan Material Co., Brooklyn, N. Y.
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IVIES

English Ivy, strong, at \$8.00 and \$12.00 per 100. C. Winterlich, Danance, O.

JAPANESE LILIES

Loechner & Co., New York, N. Y.
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In writing to Advertisers kindly mention Horticulture

KENTIAS

Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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LANDSCAPE ENGINEERS AND CON-TRACTORS.

Fairfield Landscape & Nursery Co.,
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LAWN MOWER APPLIANCE

Thomas Rowe, Narberth, Pa.

LILY OF THE VALLEY PIPS

Loechner & Co., New York, N. Y.
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Weeber & Don, New York, N. Y.
Cold Storage.

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LILIUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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MARGUERITES

Unrooted Alexandra marguerites, \$1.00 per 100. Winter flowering yellow marguerites, the right kind: unrooted, \$2.00 per 100; rooted, \$4.00 per 100. Cash. A. E. Monroe, Wellesley Farms, Mass.

MASTICA.

F. O. Pierce Co., New York, N. Y.
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NICO-FUME

Kentucky Tobacco Product Co.,
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NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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Hardy, Northern Grown Stock.
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Bobbink & Atkins, Rutherford, N. J.
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W. B. Whittier & Co., South Framingham,
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P. Hamilton Goodsell, New York, N. Y.
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Fairfield Landscape & Nursery Co.,
New York, N. Y.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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Julius Roehrs Co., Rutherford, N. J.
Hybrid Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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John De Buck, New York, N. Y.
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Orchid Plants, fresh importations, best
commercial varieties, reasonable price.
John De Buck, care of Maltus & Ware, 14
Stone St., New York City.

ORCHID GROWERS' MANUAL.

By B. S. Williams, 300 illustrations, 800
pages; descriptions of upwards of 2500
species and varieties of orchidaceous plants,
etc. The most complete work on Orchids
and Orchid Culture ever published. Price
\$10.00.

Orders filled by HORTICULTURE, 11
Hamilton Place, Boston.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.

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Godfrey Aschmann, Philadelphia, Pa.
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Robert Craig Co., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Julius Roehrs Co., Rutherford, N. J.
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Joseph Heacock, Wyncote, Pa.
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Loechner & Co., New York, N. Y.
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES.

R. & J. Farquhar & Co., Boston, Mass.

Peonies. The world's greatest collection,
1200 sorts. Send for list. C. Betscher
Canal Dover, O.

Peonies—The best French collections.
Catalogues free. Dessert, Peony Specialist,
Chenonceaux, France.

PLANT AND BULB IMPORTS.

August Rolker & Sons, New York, N. Y.
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PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

Plant Trellises and Stakes. P. A. Angier
& Co., Westboro, Mass.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.

"Riverton Special"
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PIPE AND FITTINGS

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Kroeschell Bros. Co., 466 Erie St., Chicago
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PIONSETTIAS

A Henderson & Co., Chicago, Ill.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

POULTRY AND FARM REVIEW

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Vegetable Seeds.

Asparagus Plumosus Nanus seeds now ready, per 1000, \$2.25; lots up to 5000, \$2.00 per 1000. Peter Mack, Box 172, Orlando, Fla.

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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

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VEGETABLE PLANTS, ETC.

CELERY AND CABBAGE PLANTS—300,000 Golden Self-Blanching White Plume and Pascal plants, 4 and 5 in. high. 100,000 cabbage, ready for field, leading varieties. Let me know your wants and I will quote you special low prices. W. C. Lester, wholesale grower, Plainville, Conn.

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Vinca variegata, strong clumps, 4 inch, \$3.00 per 100; 2 inch, in pots, \$2.00 per 100. Asparagus Sprengeri, 2½ inch, in pots, \$2.50 per 100. Ruxton Floral & Nursery Co., Ruxton, Md.

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A NEW VOLUME

Vol. 16 of HORTICULTURE began with last issue and now is the time to subscribe. If you are not already on our subscription list, send \$1.00 for the coming year, or 50 cents to January 1, 1913.

We do not need to dilate on HORTICULTURE'S worth. Its contents are sufficient evidence. The recognition it is constantly receiving in new subscribers shows the strong hold it has gained in the esteem and good will of the horticultural profession.

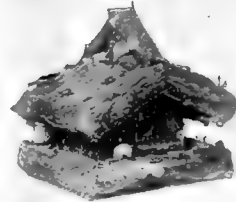
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Bring Back the Birds



While you are working out your ideal in the garden, why not provide a home for the birds that help to make life in the country really worth while? A rustic house placed in a tree or on a pole will make an excellent home for the birds and add to the attractiveness of the surroundings. We have them in all sizes and shapes to suit any style of architecture.

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One-Family } 10 Inches High }
LOG CABIN NO. 2 } 10 Inches Deep }
Two-Family } 10 Inches Wide } \$2.50
LOG CABIN NO. 3 } 18 Inches High }
Two-Family } 14 Inches Deep }
LOG CABIN NO. 3 } 14 Inches Wide } \$3.50
Two-Family } 12 Inches High }
LOG CABIN NO. 3 } 17 Inches Deep }

Stump & Walter Co.

50 Barclay Street - New York City

WADE'S SPECIAL FLORISTS' BLOOD AND BONE

Best on the market. Highest Grade. Write for price and references.

THOS. J. WADE
NEW ROCHELLE, - - N. Y.

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GARDENER and Florist, three years' general experience; one in America, two in old country. Single, sober, reliable. AX, care HORTICULTURE.

FOR SALE

FOR SALE

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Changing System to Automobiles.

ALEX. MCCONNELL

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FOR SALE—Second hand flange; valves, from 2 to 6 in., in good condition, also a low-pressure steam pump. D. Iliffe, 256 Franklin St., Boston, Mass.

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FOR SALE—Office and two connecting greenhouses, one acre rich productive land, corner two streets. Good location for wholesale or retail trade. Owner has other business. L. E. Bennett, Wakefield, Mass.

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Mt. Airy, Phila., Pa.—Max Rothe, house 34 x 150.

Beverly, Mass.—A. A. Pembroke, house 60 x 450.

Paterson, N. J.—Cedar Lawn Cemetery, one house.

Cincinnati, O.—Fred Kettler, Win-ton road, one house.

Findlay, O.—J. J. Waaland, East Front street, rose house.

Mystic, Conn.—J. H. Schaffer, Washington street, addition.

Olney, Phila., Pa.—Louis Burk, rebuilding conservatory 32 x 165.

Evansville, Ind.—Theodore Kuebler, house 22 x 100; lean-to 60 feet.

Three Rivers, Mich.—J. W. Riggs & Co., 6 Adams street, additions.

Utica, N. Y.—Samuel Whitton, 232 Churchill avenue, house 20 x 70.

La Crosse, Wis.—La Crosse Floral Co., Cass street, house 16 x 120.

Providence, R. I.—John W. Hogan, 50 Elmhurst avenue, house 32 x 120.

Indianapolis, Ind.—John J. Elsner, 534 S. Keystone avenue, two houses.

Oklahoma City, Okla.—H. S. Cleenhan, East Sixteenth street, one house.

Gloversville, N. Y.—William Larcombe, 129 East Main street, house 35 x 100.

Pleasant Hill, Mo.—George M. Kellogg Flower & Plant Co., rebuilding five houses.

Roxboro, Pa.—Gustave Koethe, East Martin street, carnation house, 22 x 100, Foley material.

Far Rockaway, L. I., N. Y.—Harry Seamon, three houses, each 25 x 100; service building 12 x 75.

Philadelphia, Pa.—Henry A. Miller, Washington lane and Chew street, Germantown, one house.

Youngstown, O.—Fischer & Borklund, market street, house 30 x 300; addition to present houses.

Atchison, Kan.—Mangelsdorf Bros. Seed Co., South Eighth street, three houses 26 x 175, one 26 x 75.

Marion, Ind.—Marion Floral Co., 31st and Meridian streets, additions to houses; new heating plant, benches, boiler and boiler house.

North Woburn, Mass.—J. R. Shield, is benching two 200-foot carnation houses with material supplied by the King Construction Company.

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**STRONGEST,
BEST PACKED,
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144 sheets..... 3.50
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OVER 40% NICOTINE

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Louisville, Ky.

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Pint.....\$ 1.50
½ Gallon..... 5.50
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SOLUBLE INSECTICIDE**
NO ODOR NO POISON

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Save your plants and trees. Here is an insecticide that will positively destroy all insects—Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

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Effective where others fail.

½ Pint - - 25c; Pint - - 40c; Quart - - 75c
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10 Gallon Can - - \$17.50

Dilute with water 30 to 50 parts

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If you cannot obtain this from your supply house
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420 W. Lexington St., Baltimore, Md.

Directions on every package

Green Flies and Black Flies Too are easy
to kill with

**"TIP-TOP"
BRAND**

Tobacco Powder

For fumigating or dusting. \$3.00 per
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Money refunded if not satisfied. Beware of
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Put on thin will be all you need for a
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A publication on the farm journal that
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year to all who send 16 cents, to pay
wrapping and postage, and names of
three fruit or poultry raisers.

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EVERGREEN BRAND Flower and Lawn FERTILIZER**

Unrivalled for all floricultural and horticultural purposes.

GENUINE PLANT FOOD

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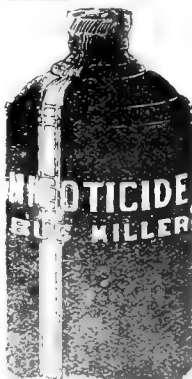
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dusts for
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25 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
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Bloom Saver**

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(Incorporated)

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Imp Soap Spray

Effective one to thirty-two.
Single gallons, \$1.50
Eastern Chemical Company
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Aphine
The Insecticide that
kills plant Lice
of every species

The Recognized Standard Insecticide.
Not a cure-all, but a specific remedy
for all sap sucking insects infesting
plant life, such as green, black, white
fly, red spider, thrips, mealy bug, brown
and white scale.

Universally endorsed by commercial
growers and professional gardeners of
reputation, as the insecticide that does
excel all.

\$2.50 per Gallon. \$1.00 per Quart.

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"Actions Speak Louder than Words."
So we are willing to let the merit of this
comparatively new fungicide speak for
itself. We claim it has no equal for
mildew, rust and wilt attacking flower,
fruit or vegetable plants. A trial will
convince you.

\$2.00 per Gallon. 75c. per Quart.

Aphine and Fungine are spraying
materials, readily soluble in water, used
at various strengths, according to di-
rections on each can. They are equally
effective in the greenhouse and in the
garden.

FOR SALE BY SEEDSMEN.

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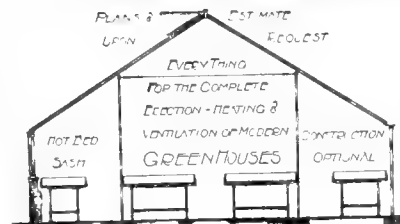
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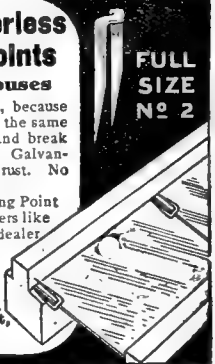
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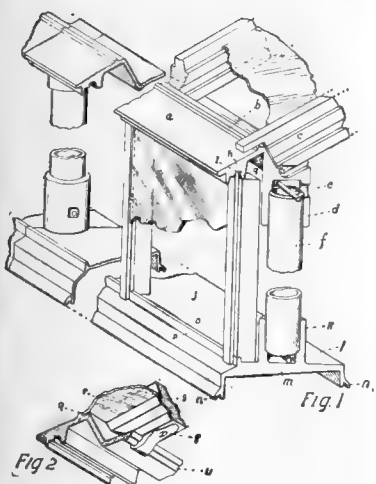
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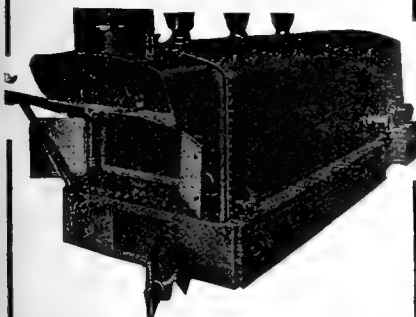
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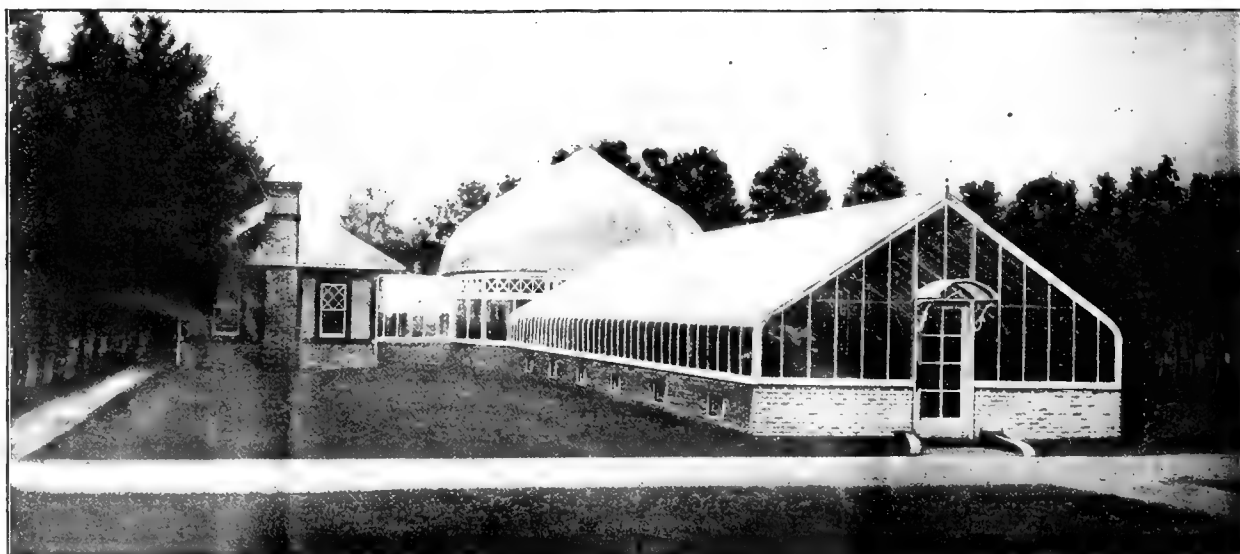
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HORTICULTURE

Vol. XVI.

JULY 20, 1912

No. 3



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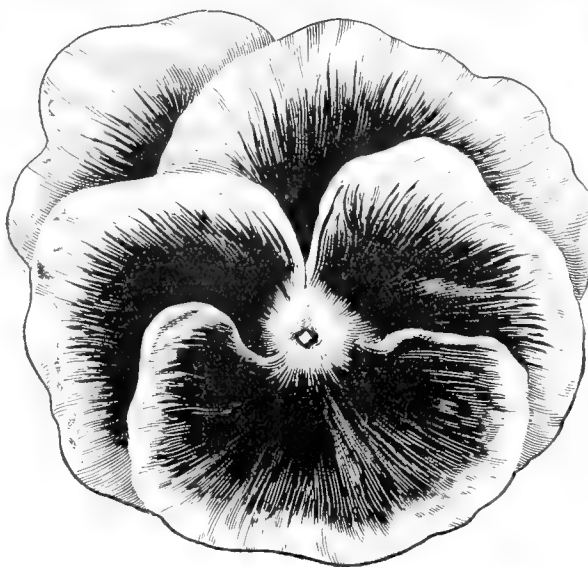
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From Chas. Schuman, Delhi, Ohio.—I want to say that the Pansies raised from seed I bought of you last year were the finest I ever had. Please send seed by return mail.

From F. D. Keyes, Florence, Mass.—I had a package of your seed last year and had them very fine.

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CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Calceolarias

Those who want to grow calceolarias can sow them any time from now and up to the end of September and have fine plants by next spring. Make up some pans by having them well-drained with crocks and filled with a mixture of new loam, leaf mold and sand in equal parts. Sift some of the mixture for the last half-inch on top. When the pans are filled within half an inch of the top they should be thoroughly moistened and allowed to drain, then sow the seed thinly and evenly over the surface. Press with a piece of a board or brick and stand in some shady place and cover with a pane of glass and a piece of paper. When the young seedlings begin to appear they should be placed in a frame or on the side bench of a cool house. In this position they should be shaded quite heavy, but as the fall comes the shading should be made lighter. For the next 8 or 10 weeks they will need the strictest attention as to watering, pricking, etc. When they have made 4 or 5 leaves they can be potted off into small pots in a compost of fibrous loam three parts, leaf mold one part, well decayed cow manure one part, and enough of sand to make it gritty.

Care of Nephrolepis

To have strong healthy plants of this fern they should not have too heavy a shading. They are much better when only given enough shading to break the direct rays of the sun. To maintain a healthful growth you should encourage plenty of moisture in the atmosphere with a liberal supply of water at the roots whenever they may need it. Larger plants that you keep for decorative purposes would be the better for some stimulant in the way of either cow or sheep manure water, made rather weak. This can be applied at first once a week and as the roots become more matted in their pots they should have it twice a week. Smaller plants that have been growing vigorously and have filled their pots with roots should have a shift. Use a rich mixture; say—two-thirds of fibrous loam to one-third of well rotted cow manure and pot firmly. Do not stint in giving ventilation on all favorable opportunities. Now is a good time to increase stock by potting up all the nice runners you can get. At this season there is always an abundance of these runners.

Pansies for Winter Flowering

Where you want pansies for winter flowering they should be sown at once. When buying pansy seed purchase only the best as they are most profitable in the end. Sow the seed either in drills or broadcast in a cold frame on soil that has been well pulverized and made moderately rich. Cover the seed slightly and keep shaded and well watered until they germinate, after which remove shading and sashes so they will not be allowed to "draw." When they are large enough to handle prick them out in other cold frames about four inches apart. Here they can stay until you want to lift them to follow chrysanthemums. To grow well in the winter they like a very light house and where a minimum temperature of 40 to 42 degrees can be maintained.

Mr. Farrell's next notes will be on the following: Adiantums; Callas; Care of Chrysanthemums; Coreopsis for Easter; Double Pansies; Fraesia Bulbs

For a compost use fibrous loam three parts, well decomposed cow manure one part, and after the New Year they can be given liquid manure once a week which will be found very beneficial in giving color and size as well as increasing the number of flowers. See pansy seed advertised this week.

Poinsettias for Pans

Where you have use for a lot of pans and dishes for Christmas trade keep on propagating poinsettias right up to the middle of August. When the cuttings are taken and until they are placed in the cutting bench they should never be allowed to flag. Give them shade and plenty of moisture until they begin to root. Keep a sharp outlook and just as soon as any of them have rooted they should go into small pots as when they are left too long in the propagating bench you are bound to break their roots which always cripples them for some time. When they are potted up keep them shaded with frequent syringings until they begin to make new roots when they can have the fullest light and plenty of ventilation. In 6 or 7-inch pans they always make ideal material for the holiday trade. Do not plant any pans until after the middle of September as they make too much growth when planted earlier. After September they will want a house where they can have a little fire heat.

Orchids

Give your *Coelogyne cristata* every attention now, such as damping down—which should be done at least three times a day, to encourage a liberal amount of moisture in the atmosphere. Now that the weather is quite warm they should be syringed overhead twice a day—morning and early in the afternoon. This orchid is now in active growth making and pushing lots of roots so where it is possible give them weak liquid manure once a week. Place them where they can be shaded from nine o'clock in the morning until about four in the afternoon as they always make better plants by the fall when exposed to the early morning and late afternoon sun. Give plenty of water at the roots and plenty of ventilation. Many cattleyas such as *labiata*, *Trianae*, *Schroederiae*, etc., that are in full growth will need lots of water at the roots and a syringing once or twice a day now. They like shading as mentioned above.

Schizanthus

Sow the best strain of seed now and you will get nice plants that will flower well during the early winter. Sow in pans where a fine compost of loam and leaf mold are mixed together with a dash of sand. Cover seed quite lightly and press the soil firmly. Place in shady position and cover with a pane of glass until they start to come up when they should have full sun. When they are large enough to handle pot off into small pots, and shift as they may require it until 7 or 8-inch pots are reached. Give them a rich compost of two parts of fibrous loam to one of well-rotted manure and always pot firmly. Keep in a frame and pinch them freely for the next 8 or 10 weeks and you will have nice compact plants.

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FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Pot Up Strawberries

Strawberries should be repotted as soon as they fill the three-inch with roots. Do not let them remain in the small pots long enough to become root-bound or a difficulty will be experienced in getting them started in the sixes. No plant grows as it should, if allowed to starve in a small pot. The six-inch pots should previously have been cleaned and now require to be properly drained. This is a point to emphasize in strawberry growing; the pots must be drained thoroughly, or when they are being forced no end of trouble will be caused. Growing at this stage a strawberry relishes lots of water and feed is also applied in liquid form. If this cannot pass and allow the soil to get a shade dryer and absorb a little air, the whole ball will soon turn sour, with such results as will cause failure. Broken pots or rough ashes will answer the purpose, the former preferable. After adjusting the drainage in each pot drop a teaspoonfull of soot on top of it. This will help to keep out worms whose delight it is to stop up all drainage.

As to suitable soil for potting strawberries, one need not be so particular so long as it is sweet and rich. Ordinary loam chopped down from the heap with some lasting manure added (fine bone meal is good) will be all right. Should the loam be heavy and there is any danger of its ramming too hard to allow the water to pass, mix in enough old mushroom bed, previously passed through a three quarter-inch sieve, to keep it open. Needless to say, select the best plants for potting all the time and right from the start use the rammer with vigor. Providing the soil is not wet it will be difficult to make the plants too hard. When potted remove the plants to a level space having an ash bottom and stand them pot thick for a time. This will help retain the moisture around them. Spray the plants over continually to encourage them to get off the mark. The chief aim which should always be kept in mind is to get a good sound well-developed crown before winter.

Mushroom Spawn

Which of the two manufactured mushroom spawn is the best—American or English made—is a question often discussed with some vigor. The very name itself makes one slide up and down the scale of uncertainty. To begin with we must remember there is poor, as well as good spawn found no matter where it is made and, as I have stated before in these columns,—often the spawn is not to blame. Those beds must be right or good spawn will go wrong. Growing both side by side in the same bed will prove what little difference there is. To us the noticeable difference is that the American spawn comes a little earlier, throws up a speedy crop of medium-

sized mushrooms and gets through in a short time lacking the recuperative powers of its slower rival. The English spawn has been known to take a week to ten days longer to come and the mushrooms take longer to grow, making up a thicker and larger product. The beds seem to have a good "come back" or later crops in them after a watering. These are distinctions; it is for the growers to say if any are benefits.

Pot Trees

A word in favor of those trees now plunged in the open, subject to the elements, trying to rest in adverse climatic conditions. These which occupied so much time and attention through the spring must not be forgotten now that regular watering and syringing is needed. Do not expect a shower to water these pots as they ought to be watered; it takes a good rain to do this and then the foliage above always takes so much off. This must be taken into consideration, and also the mass of roots confined in a small space. Earlier-forced trees, not having the time to make the quantity of roots the latter ones did, will take a little less water. This should be noted in dull weather. By this time the trees will be free of any "live stock" which may have been infesting them at the time they were brought outside but there are the fungus pests. These can in a measure be prevented by timely applications of Bordeaux mixture or the preparation Fungine extensively advertised in HORTICULTURE. These fungous troubles are the worst things to contend with in peach growing and no "easy street" should be left for them.

A Gardeners' Friend

Who is it? No noble creature, elegantly arrayed, a thing of magnitude and beauty, in this instance. On the contrary, one sometimes hailed with a scream and motions of retreat from the "fair sex," sometimes carried on a shovel by the "braves" of the greenhouse. Who is this insignificant friend with such an introduction? No one else but Mr. Toad. Have you ever watched him making short work of such unwelcome tenants of the greenhouse as sow bugs, crickets, roaches, spiders, caterpillars and bugs of all descriptions, doing it all with lightening rapidity once he has decided on the stunt? These pests find welcome retreat in many parts of our fruit houses, making it difficult to get at them, yet making their presence known at unwelcome times. Now if one or two of our "friends," as I have described them, can be induced to tenant the houses, it is wonderful how fat they will get and how lean (in number) our unwelcome guests become. The charges for this work of extermination are as small as they possibly could be and amount to—a little kindness.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

The Planting

At last! These words uttered with a sigh of relief from the lips of many growers, when the last rose is planted in the benches, and the last wheel-barrow load of old dirt and soil scraped out from under the benches. Looking after the newly planted houses will be quite a relief from the hard work of filling the benches.

Many growers who have a large number of small old-fashioned houses to contend with will find refilling and replanting a none too pleasant job.

Try to connect up the houses so as to have easy access to all the doors on one end at least. Smilax or asparagus can be grown in the connecting houses, which, by the way, should be started now. Set nice strong plants out of 2½-inch pots (if larger just so much better). Do not give these too much soil. Four inches is plenty, more can always be added, and you will find it pays to have room for a little extra soil. This applies especially to the spring of the year when beds dry out so rapidly, and the old soil seems "worn out" as we say. A little mulch of soil, bone, manure and soot, will put new life into things then. But now for the present work.

Beauties

The early-planted houses will now be making a nice growth and will soon call for their second tier of wires. Plants set as we advised some time ago,—say 20 to 24 inches apart may look rather thin as yet, but from the looks of some of ours they will fully make up for it later. Some of the best growers of Beauties in the East are learning that the Beauty is not to be crowded. What is a houseful of wood, so much of it that it can hardly be kept clean, when no stuff is cut? We prefer houses that have less wood and yet cut all the time.

Many growers claim they can make Beauties flower whenever they wish to. No doubt this can be done but we find it pays best to let them grow their own way and producing some all the time. We do not aim to have a great crop for Christmas or for any of the other holidays. It is the average for the season that counts with us. We have known Beauties to bring as good and better prices during January and February than they did at Christmas.

Beauties are unlike other roses. We find they are in a class by themselves. We never try to figure just when to bring in a crop, as we would with Killarneys or other roses. We find that by trying to "set" a house we check so much of the other growths, that whatever we gain by having a crop at a certain time we lose it by checking the shorter growths. There is no other rose that will turn up its nose to improper treatment sooner than our

American Beauty. Most roses if abused will produce some blooms at least, but a Beauty will stop and refuse to move nine times out of ten.

Keep a watch on the leaves that touch the surface of the soil in the bench. Pick off all leaves that have a tendency to be flat on the soil. These will be very difficult to syringe and may only breed spider, beside inviting blackspot.

Blackspot

There are so many causes which this disease may be attributed to, that it is impossible to ascertain just what made it appear in a house. We have had no trouble with it whatever except toward spring in some of our solid benches. But in the raised benches and semi-solid benches no blackspot appeared. By propagating from clean healthy plants our young stock is absolutely free from it so we hope we shall have no trouble this coming season.

When tying, scratching, watering,—no matter what you are doing,—and you happen to spy a large blackspot on a yellow leaf among the bottom moist leaves, stop long enough to pick it off. This may seem so small a thing that it may be considered of little importance and yet that very spot may be responsible for a "black-spotted patch" in the bench later on. These big spots may safely be called the seed, and if allowed to remain, will show you what they can do the first time that conditions are favorable. Spraying with ammoniacal copper carbonate, will help keep spot from spreading, but is by no means a cure, and should never be considered as such.

The Early Planted Houses

If you have any houses planted early, say the first of April or earlier, get some manure ready and as soon as these may require it give them a nice mulch of well-decayed manure. Do not use any soil with it, for it is too early in the season for that. If the manure is well decayed and the plants watered before it is applied and again after applying, no damage should be done.

Be careful not to have the plants too dry when applying this mulch or you may have occasion to regret it. We would not advise using any bone meal with this mulching; a little soot would do very nicely, but if the plants are given too much fertilizer early in the season they are likely to become too soft and subject to mildew next fall, when the cloudy moist weather comes. Beauties, too, are apt to become weak and spindling if overfed during the summer. The main object is to protect the young tender feeding roots near the surface of the soil and to keep the benches from drying out too rapidly.

HORTICULTURE

VOL. XVI

JULY 20, 1912

NO. 3

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.
 WM. J. STEWART, Editor and Manager.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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An opening for real artists

Attention is called, in our account of the exhibition of sweet peas in Boston, to the tendency of florists in their decorative work to overload, a failing which is not only expensive but very destructive to graceful artistic effect. This is, of course, nothing new. With the majority of workers in flowers it has been an invariable failing since the infancy of the business. In the early days of the flower trade when the supply was meagre and every available flower represented money the man who could make the least number go the farthest in "making up" was the one who could command the best price for his services. In addition, he was also the one who achieved the most repute as an artist. Today, with the inexhaustible supply of material the economical side of the question makes no very strong appeal and, judging from the examples of decorative work seen at flower shows generally, artistic perception is very weakly developed in the majority of exhibitors. There is, perhaps, no phase of florists work in which education through public trade exhibitions and otherwise is so sorely needed as in this. It

may safely be said of the great majority of floral designs put out that one-half of the stock used would, in the hands of a capable artist, make a much more beautiful and appropriate piece.

We endorse most heartily the views expressed by Mr. W. Atlee Burpee in his letter to Senator Penrose, which we published last week, relative to this Bill (S.6850). It would be preposterous to make merchants and manufacturers of the United States pay a higher rate of domestic postage than that at which their competitors abroad may mail their catalogues to any destination here. To the seed and nursery trades, the proposed increase of fifty per cent in the rate of postage would be the imposition of a needless and wrongful hardship. Next to the Bible, there is no book more highly treasured and put to more frequent use in the rural home than the "Seed Book." There, it is an educator and a means of bettering the condition of its recipient by calling his attention to new and improved kinds of crop materials, thus enhancing the value of the products of his land. The average seed or nursery catalogue is really a valuable work, replete with instructions for the growing of crops of all kinds, carefully prepared, printed at great expense, and is vastly more than a mere advertisement or price list. An advance in the rate of postage would tend to reduce its descriptive, cultural and educational features, for which it is now welcomed and preserved as an institution of the rural household. The bulletins of the Department of Agriculture, and we believe too those of the Agricultural Experiment Stations of the various states, are now admitted to the mails free—it is a question whether the seed and nursery catalogues are not accomplishing a work equal in value to both.

On page 88 of this issue appears in full the decision of U. S. General Appraisers as rendered under date of June 20, relative to the classification of "evergreen seedlings" under the tariff act of 1909. This was the result of a protest by R. & J. Farquhar & Co., of Boston, against the levy of twenty-five per centum ad valorem duty on transplanted evergreen seedlings over four years of age and entitles all seedling evergreens regardless of age to free entry. It appears that certain New York importers had come to an agreement with the customs officials, that seedlings over four years old should be classified and become dutiable as nursery stock, and in accordance with this agreement evergreen seedlings exceeding this age were everywhere classified and duty levied as nursery stock. Messrs. Farquhar in their protest contended that such classification was arbitrary, inconsistent, and a contra indication of paragraph 668 of the Customs Tariff Act of August 5th, 1909. They claimed that evergreen seedlings, of any age, were entitled as such to free entry, citing in support of their contention paragraph 264 in which stocks, cuttings or seedlings of pear, apple, quince and the Saint Julien plum, are limited to three-years-old or less. They contended that there was nothing whatsoever in the act to indicate or suggest that Congress had intended any limitation on the age of evergreen seedlings—in fact the limitation of other kinds of seedlings and the absence of any limitation as to evergreen seedlings may be taken as a clear indication that it was the intention of the framers of the Act to leave these seedlings unlimited as to age. We like to allude to this outcome of a protest under circumstances particularly unpromising, because it was won by a Boston house, single-handed. The decision is, of course, one of no small importance to the American nursery trade.

A Great Triumph for the Sweet Pea

Editor of HORTICULTURE:

I feel like asking every lover of the sweet pea, "Have you heard from Boston?" Others may express their gratification as they will, but I feel that we are on the threshold of a new decade in this popular flower. Peace hath its victories as well as war. The banner of loveliness that we saw at Boston was a glad token to the men who have put their faith in the Spencer type of the sweet pea. From Countess of Spencer to Earl of Spencer we have the greatest chapter in the history of the developed form of this flower. They are doing wonderful things in England, and now I wish we had flashed a message to the men over them, that the American Sweet Pea Society had proven itself their worthy competitor. It was not the mere vision of color that spread out before the visitor at Horticultural Hall, Saturday, that characterized the show; it was the genuine Spencer quality of the flowers shown that made the 1912 exhibit a floral event. It is a curious fact that for at least sixteen years the interest in this flower has been at such a low ebb in Boston that the Massachusetts Horticultural Society has not cared to invite anybody to come and talk about it. Hail to the fact that its day has come again.

Those who have recently been across the water to see what the successors of Henry Eckford have done bring back such a contagion of enthusiasm that their description of length and of stems, and lustiness of haulm are laughable. They say the latter suggests a cabbage leaf, and the former require a yard stick to measure them. But, making all due allowance for exaggeration, they have certainly made a floral sensation of what was once the modest sweet pea.

If any one here in America asks, "What is this wonderful thing?" the answer is this: the sweet pea has made periodic leaps forward as the result of scientific crossing. It took Mr. Eckford ten years or more to bring it to what we have termed the Grandiflora type. In this type the increased size and substance gave it the graceful hooded form. And with all Mr. Eckford's persistent work it held this form for a decade or more. And then began the story of a still more remarkable decade. Since Silas Cole discovered in 1901 the first Spencer blossom among his Grandiflora stock, and named it the Countess of Spencer, almost every color has lined itself up to this magnificent type. As if by

a preconcerted signal every variety drops the grandiflora form and come forth in this Spencer dress. Nature keeps her own counsels,—who can tell why both in Great Britain and California such a general break in form should simultaneously occur? Nobody had said,—Go to, let us create a new type of sweet pea. Nature held concealed the secret, that the time had come to re-enforce this flower with a new measure of vital fluid to win for it a new chapter of enthusiasm and admiration. Its loveliness and grace are preserved, while its scope of size and color is greatly enhanced. We thought the hooded form was lovely, but the waved form is more lovely. And it indulges in other variations, putting increased vitality into duplex form, although these variations are neither popularly or commercially regarded with much favor.

But the real animus of my present writing is this,—Just where are we now in America as touching the sweet pea? We cannot line up with Great Britain in one respect. Probably their finest exhibition flowers come from seed stock naturalized at home, with an island climate that greatly favors them. Their specialists go right on with the work Henry Eckford began. We shall look to them to carry and hold the flower up to its greatest potential beauty. The Boston show of last Saturday showed where we actually are in this country. It showed that the American Sweet Pea Society is well on its feet. The confidence with which we turn our faces to the Boston show of 1913 is greater than ever. The exhibit of 1912 was a phenomenal success. Our sweet pea men "produced the goods." I have heretofore written in a solicitous strain; this time I write in the most sanguine vein. Great praise is due the officers of the society, and congratulations should be extended to the Massachusetts Horticultural Society that they have lent their aid to this historic exhibition. And to the man whose faith in the Spencer Sweet Pea has been greatest and whose devotion has been unbounded,—W. Atlee Burpee,—we owe more than to anyone else. No flower ever had a more inviting opportunity for popularization than the sweet pea of today, and the Boston show proved that it can be popularly grown.

W. J. Hutchins

Millbury, Mass.

SWEET PEA WILT AND MILDEW.

Editor HORTICULTURE:

Dear Sir—In a paper read by Prof. Taubenhaus, of the Delaware Agricultural Experimental Station, on sweet pea diseases before the meeting of the American Sweet Pea Society, in Boston, on Saturday last, he stated that while he had tried many remedies to control what is commonly known as wilt and mildew, which affects the sweet peas, he had, however, not yet found anything which would give satisfactory results as a cure.

The writer approached the speaker after the meeting to inquire of him whether he had ever tried the fungicide Fungine. He admitted that he had never heard of it until that day, but had been approached by several gardeners who had spoken favorably of this product and told him of their results obtained, and he expressed a

willingness to try out this material to learn for himself of its merits. I will say Fungine is used today by men who have been prize winners at the two important sweet pea shows here in the east, and who do not hesitate to endorse it highly for the blights which at times overtake the sweet pea plants.

You undoubtedly will give space to the article read by Prof. Taubenhaus, and I ask that you give some space to this communication to avoid any misapprehension going abroad that there are no remedies today for the sweet pea diseases. I do not believe it was the speaker's intention to create this impression, but what he really meant was that he had not yet come across a remedy. I believe that after this next year's experiments he will readily report otherwise.

Yours truly,

M. C. EBEL.

JULY.

When the scarlet cardinal tells
Her dreams to the dragon fly,
And the lazy breeze makes a nest in the
trees,
And murmurs a lullaby,
It is July.

When the tangled cobweb pulls
The cornflower's cap awry,
And the lilies tall lean over the wall
To bow to the butterfly,
It is July.

When the heat like a mist veil floats,
And poppies flame in the rye,
And the silver note in the streamlet's
throat
Has softened almost to a sigh,
It is July.

When the hours are so still that time
Forgets them and lets them lie
Near pink petals 'till the night stars
sink
At sunset in the sky,
It is July.

—Susan Hartley Scott.

AMERICAN SWEET PEA SOCIETY

On another page of this issue appears an interesting review of what the American Sweet Pea Society was able to demonstrate at its exhibition in Boston last week, from the pen of a gentleman recognized in this country and abroad as a leading authority on the subject. On that topic, therefore, we need to say but little, other than to compliment the members of the society on the magnificent showing they made in the face of most adverse conditions that were beyond human control and to congratulate Boston on its selection as the location for the next annual feast of sweet peas.

The Meeting.

The annual meeting of the National Sweet Pea Society of America was called to order by President William Sim at 4 P. M. on Saturday, July 13, in the committee room at Horticultural Hall, Boston, about 75 gentlemen being present. A brief address of cordial welcome was made by Wm. J. Stewart and then President Sim presented his annual address. The secretary, Harry A. Bunyard, made a general statement on the growth and work of the organization during the year and was followed by Prof. A. C. Beal of Cornell University, who reported on the trial grounds, giving a brief outline of what had been accomplished during the past season.

Nomination of officers was the next business. W. Atlee Burpee made an eloquent appeal for Wm. Sim to succeed himself as president and M. C. Ebel nominated J. C. Vaughan for vice-president. On motion of Mr. Burpee these gentlemen together with Secretary Bunyard, Treasurer Boddington and Recording Secretary Pepper were unanimously elected as the officers for the coming year. For the next meeting place invitations were presented from the Chicago Florists' Club and Chicago Horticultural Society on behalf of their city—from the Elberon Horticultural Society on behalf of Asbury Park, N. J., and by Wm. J. Stewart for Boston and Boston was selected by a unanimous vote. After a somewhat amusing debate it was voted to change the name of the organization from National Sweet Pea Society of America to American Sweet Pea Society. Prof. J. J. Taubenhans of the Delaware Agri. Coll. Exper. Sta., then read his paper on Our Present Knowledge of the Sweet Pea Diseases and Their Control, which was closely listened to and then came adjournment.

The Luncheon.

On Saturday evening the visitors were entertained by the Gardeners' and Florists' Club of Boston at an informal luncheon in one of the basement halls in Horticultural Building. About 200 were present, a fair sprinkling of ladies being in evidence and the affair was an exceptionally happy and enjoyable occasion. President Thomas Pegler of the Gardeners' and Florists' Club extended a few brief words of hospitable welcome and called upon Wm. J. Stewart to officiate as toastmaster. Brief and full of snap and wit were the responses of the various speakers called upon and applause was frequent and spontaneous. When

President Sim was presented as "the man who does things" he received an ovation of which any man might well be proud. W. Atlee Burpee was given another rattling reception as he told of the big things that were being accomplished in California. J. K. M. L. Farquhar waxed eloquent as he voiced the generous welcome of the Massachusetts Horticultural Society and W. A. Manda, fresh from his triumphs across the Atlantic also brought down applause unstinted. Rev. W. T. Hutchins made a splendid and inspiring address which was really the gem of the evening. E. H. Wilson made a most interesting little talk on the new hardy plants he had collected in China, Ed. Jenkins voiced the appreciation of the Lenox fraternity. Thomas Logan, president of the Association of Gardeners was an excellent spokesman for that organization. B. Hammond Tracy presented the congratulations of the Gladiolus Society and last came President Pegler with a delightful little speech of felicitation.

At intervals throughout the evening songs were contributed by Miss Elizabeth C. Edmands and Miss May E. Bews, and violin solos by Miss Jennie A. Corson. These ladies all displayed talent and ability such as is rarely heard on occasions of this kind and encores were almost insatiable. One Scotchman was heard to say that he now realized that he had never heard "Annie Laurie" in his life until he heard it from Miss Corson's violin. The hall was elaborately decorated with plants and flowers, sweet peas by thousands adorning the tables.

Aside from this Club affair many little private entertainments were extended to the visitors—on Sunday especially, when an auto trip through the parks, a visit to Wm. Sim's and Thos. Roland's places, and to Mr. Tracy's gladiolus gardens were enjoyed by many. Come again.

The Exhibition.

The spacious halls of the Massachusetts Horticultural Society were filled to the limit. The scene was a sparkling one and had the weather not played such a scurvy trick on Wm. Sim and Duncan Findlayson, ruining the hundreds of big tubs and boxes of growing peas which were to have transformed the largest hall into a sweet pea garden, it was very evident that the contributions of flowers would have far exceeded the capacity of the building. It is said that Mr. Sim alone had to send three truck loads to the dump as useless. Secretary Bunyard told us there were no less than 900 entries and he was busy the greater part of Friday night getting them in order. It was a big task. Robert Cameron as exhibition manager had his hands full and accomplished what seemed almost an impossibility without friction or fuss. The new Jones Patent exhibition vase proved especially well adapted for the display of sweet peas and very many were in use.

The Spencers made a much more effective impression than the Grandifloras and there were some remarkable displays from New England points remote from Boston which had escaped the destructive storm of Thursday and where the heat spell had been less violent.

As to the arrangement of the flowers there was evidence on all sides that education is still needed. The display by Burpee was commented upon favorably as an object lesson in breaking away from the old beaten track of stuffing quantities of bloom into small vases and placing them in flat array on the tables. Exhibits where sweet pea foliage with tips and tendrils were used among the flowers were the more pleasing. The mantels tables, baskets, hampers, etc., in the retailers' section showed evidence of the same great fault, with but few exceptions, many of them being overloaded with probably five times as many flowers as would have been required for graceful effect. The judges evidently had this prominently in mind for they favored the simpler arrangements in every instance. The tables taking first and second awards were beautiful in their simplicity and delicacy. H. F. Michell's pagoda arrangement in the lobby made a very good effect. In addition to the exhibitors named in the appended award list there were many showy displays entered for exhibition only, among these being a show of lily of the valley and peas by T. J. Grey & Co., a collection of about 60 named varieties of peas from Stump & Walter, a similar one of about 75 named varieties from Peter Henderson & Co. and a collection of peas, snapdragon and hollyhocks from Jos. Breck & Sons.

The Massachusetts Horticultural Society supplemented the American Sweet Pea Society's schedule with a generous list of prizes for sweet peas. The table decorations alluded to in the foregoing paragraph came under this section, also. As will be seen by the list of prize awards which follow, the competitors in the various classes were mostly the same as in the Sweet Pea Society's competition. There were, however, some other displays of the Horticultural Society calling for more than passing notice. Chief among these was the display of *Lilium myriophyllum*, which filled the stage in the lecture hall with a richly beautiful grouping of hundreds of blooms, the aroma of which faintly pervaded the entire hall. This display won for the exhibitors, R. & J. Farquhar & Co., the rare award of the Mass. Horticultural Society's gold medal. Four other beautiful Wilson introductions—*Lilium Duchartrei*, *L. Chinense*, *L. Bakerianum* and *L. Sutchuenense*, won distinction also as the following list of awards shows:

LIST OF AWARDS.

Private Gardeners—Section A.

Joseph Breck & Son's silver cup, value \$50, 12 vases sweet peas, Miss Fanny Foster.
R. & J. Farquhar & Co.'s prizes. Six vases, 6 Spencer varieties, Mrs. T. D. Richardson, W. D. Sloane.
Thos. J. Grey Co.'s prize, cut glass bowl, vase of 10 Spencer varieties, W. D. Sloane.
Fottler, Fiske, Rawson Co.'s prizes, 20 vases, 20 varieties, Winthrop Ames, W. B. Field, H. E. Converse.
Jerome B. Rice Seed Co.'s prize, Vase of White Spencer, S. P. Shottel.
Vaughan's Seed Store, silver cup, 8 vases, 8 Spencer varieties, S. P. Shottel.
Arthur T. Boddington, cup and prizes, vase, a collection of 25 varieties, Giraud Foster, S. P. Shottel, Hon. Seth Low.
Watkins & Simpson prize, 6 vases Spencer or Unwin, Mrs. J. S. Kennedy.
National Sweet Pea Society's medals and

cash. For display covering 24 square feet, S. P. Shotter, W. J. Clemson.

In the 8 classes for Spencers in specified colors, first prizes were won by Mrs. J. S. Kennedy, Miss Fanny Foster, S. P. Shotter, Mrs. T. O. Richardson, Giraud Foster.

In the 6 classes for Grandiflora types in specified colors, first prizes were won by Giraud Foster only.

Private Gardeners or Amateurs—Section B.

Mrs. Seth Low's silver cup. For collection, all types, Hon. Seth Low, W. D. Sloane.

W. Atlee Burpee cup. 12 vases, 12 varieties, Giraud Foster.

W. Atlee Burpee prizes. Spencer type introduced 1912, G. Foster, S. P. Shotter, Miss Foster.

W. Atlee Burpee prizes. Grandiflora type, S. P. Shotter, E. L. Lewis.

Sutton & Sons' silver cup. For best table of sweet peas, S. P. Shotter.

Peter Henderson & Co.'s prizes. For fifteen varieties of Spencer, 12 spikes each, Mrs. W. B. Leeds, S. P. Shotter, G. Foster, W. A. Merrill, G. C. Atwood.

J. Horace McFarland Co.'s prize, 12 vases, 6 Spencer, 6 Grandiflora, W. J. Clemson.

Stumpp & Walter Co.'s prizes. 6 vases of Spencer, Mrs. T. J. Emery, G. Foster, W. D. Sloane.

Section C was devoted to amateurs who do not employ a gardener regularly, do their own gardening and do not sell flowers. The classes were well filled and the prizes worthily won.

Commercial Growers—Section D.

Vase of 100 sprays Countess Spencer. The Penn silver cup, to H. F. Calder.

Six vases, 50 sprays to the vase. Boston Cut Flower Co.'s silver cup, to H. F. Calder.

Twenty vases, 20 varieties. M. J. Tuohy's silver cup, to Marion C. Collins; National Sweet Pea Society prize to H. F. Calder.

Fottler, Fiske, Rawson Co.'s gold medal for 20 vases, 20 varieties, to H. F. Calder.

Henry Comley, cut glass bowl, for 12 varieties, to H. F. Calder.

The Boston Flower Exchange, Inc., prizes. Six vases, 50 sprays to a vase, Mt. Desert Nurseries, H. F. Calder, J. N. Lipman.

Boston Co-operative Flower Market prizes. Six cases, 25 sprays to a vase, Mt. Desert Nurseries, H. F. Calder.

Thos. J. Grey Co.'s prize. Three vases, 50 sprays, to H. F. Calder.

Henry F. Michell prize. Three vases, 50 sprays, to J. N. Lipman.

Section D, classes 12 to 23 for vases of 50 sprays each, in specified colors, were captured by Mt. Desert Nurseries, with the exception of one which was won by H. F. Calder.

Retailers—Section E.

Basket of sweet peas. Boston Co-operative Flower Market's silver cup, awarded to Wax Bros; second prize awarded to Henry Comley.

Mantel decoration, silver medal and cash to Wax Bros. Bronze medal and cash to Boston Cut Flower Co.

Bridal bouquet. First, Boston Cut Flower Co.; second, Wax Bros.

Hamper. First, H. Comley; second, Wax Bros.

Corsage. First, Boston Cut Flower Co.; second, S. Hoffman.

Centerpiece. F. Michell Co.'s silver medal to Penn, the Florist; second, H. Comley.

School Children—Section F.

F. R. Pierson cup, to Saugus High School.

S. J. Goddard cup, to Normal Practice School, Framingham.

James Wheeler cup, to Wilson School, Natick.

The prizes offered by The Saugus Home and School Association for Saugus were practically all awarded, as were also all the Gardeners' and Florists' Club prizes, the Joseph Breck & Sons, H. F. Michell Co.'s and Doubleday, Page & Co.'s prizes for children.

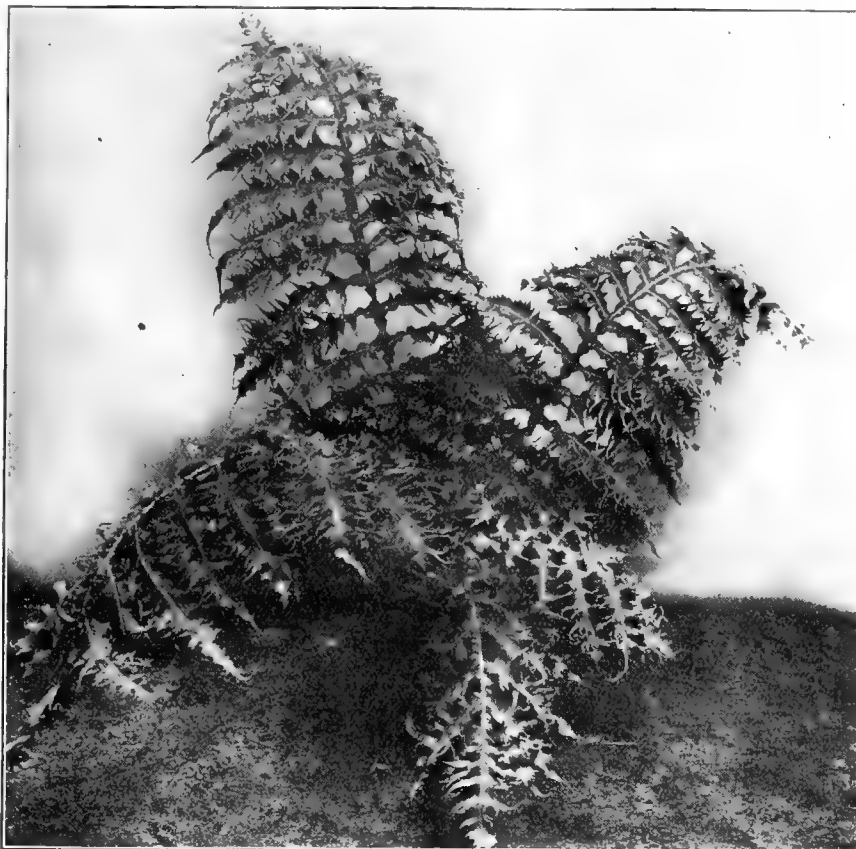
Open and Miscellaneous Classes—Section G.

President William Sim's prize. For the best display in pots, tubs or boxes, Duncan Finlayson.

Lunt Moss Co.'s prize. Display, H. F. Michell.

C. C. Morse & Co.'s silver cup, for finest collection (seed trade only), to W. Atlee Burpee Co.; second, National Sweet Pea Society's silver medal, to A. T. Roddington; third, National Sweet Pea Society's bronze medal, to Stumpp & Walter Co.

POLYPODIUM MANDIANUM SUPERBUM.



Winner of a First Class Certificate at Holland House Show.

Dreer prize for vase of Queen Alexandra Spencer, S. P. Shotter, G. Foster.

Dreer prize for Blanche Ferry Spencer, Giraud Foster, S. P. Shotter.

Dreer prize for Ruby Spencer, G. Foster, S. P. Shotter.

Dreer prize for Juanita Spencer, G. Foster, S. P. Shotter.

National Association of Gardeners' cup for 12 vases in 12 varieties, to Miss M. T. Cockcroft; second, J. W. Pepper.

For the most meritorious exhibit of sweet peas, the N. S. P. S. A.'s gold medal was awarded to W. Atlee Burpee.

Massachusetts Horticultural Society's Awards.

Sweet peas. Decoration for table of ten covers: 1st, Duncan Finlayson; 2d, Mt. Desert Nurseries; 3d, Mrs. C. G. Rice.

Sweet peas (25 sprays). Any white variety: 1st, Frank Foster; 2d, Giraud Foster; 3d, William T. Burton. Crimson or scarlet: 1st, Mrs. Lester Leland; 2d, Giraud Foster; 3d, Wm. Gray. Rose or carnine: 1st, Col. F. Mason; 2d, Wm. T. Burton; 3d, Wm. T. Burton. Yellow or buff: 1st, Giraud Foster; 2d, S. P. Shotter; 3d, W. J. Clemson. Blue: 1st, Giraud Foster; 2d, Mrs. Lester Leland; 3d, Edward Parker. Blush: 1st, Mrs. Lester Leland; 2d, W. J. Clemson; 3d, Mrs. Lester Leland. Cerise: 1st, Giraud Foster; 2d, S. P. Shotter; 3d, Winthrop Ames. Deep pink: 1st, Giraud Foster; 2d, S. P. Shotter; 3d, Mrs. P. G. Forbes. Orange: 1st, Giraud Foster; 2d, Frank Foster; 3d, Wm. T. Burton. Lavender: 1st, Wm. T. Burton; 2d, William T. Burton; 3d, Mrs. P. G. Forbes. Violet or purple: 1st, Giraud Foster; 2d, S. P. Shotter; 3d, Mrs. Lester Leland. Magenta: 1st, Giraud Foster; 2d, S. P. Shotter; 3d, Winthrop Ames. Mauve: 1st, Wm. T. Burton; 2d, Giraud Foster; 3d, Mrs. Lester Leland. Maroon or bronze: 1st, S. P. Shotter; 2d, Giraud Foster; 3d, Winthrop Ames.

Picotee-edged: 1st, Giraud Foster; 2d, S. P. Shotter. Striped or flaked red or rose: 1st, Giraud Foster; 2d, S. P. Shotter; 3d, Winthrop Ames. Striped or flaked blue or purple: 1st, S. P. Shotter; 2d, Giraud Foster; 3d, Mrs. Lester Leland. Fancy having three colors: 1st, S. P. Shotter; 2d, Giraud Foster. Bicolor, other than picotee-edged: 1st, Giraud Foster; 2d, S. P. Shotter; 3d, Wm. T. Burton. Marbled or mot-

tled: 1st, Giraud Foster; 2d, S. P. Shotter; 3d, Winthrop Ames.

Gratuities—W. T. Hutchins, collection of sweet peas; Boston Cut Flower Company, display of sweet peas; William Whitman, display of hydrangeas and palms; Dr. Harris Kennedy, display of Japanese iris; Mt. Desert Nurseries, display of Japanese iris; Eastern Nurseries, display of hollyhocks.

Gold medal—R. & J. Farquhar & Co., *Lilium myriophyllum*.

Silver medal of the National Sweet Pea Society of America—Duncan Finlayson, table decoration of sweet peas.

Bronze medal of the National Sweet Pea Society of America—Mt. Desert Nursery, table decoration of sweet peas.

First class certificate of merit—R. & J. Farquhar & Co., *Lilium Duchartrei*; Arnold Arboretum, *Lilium chinense*; M. L. Tirrell, *Centaurea cyanus*, var. Tirrell's Pink.

Honorable mention—R. & J. Farquhar & Co., *Lilium sutchense*; Arnold Arboretum, *Lilium Bakerianum*; R. & J. Farquhar & Co., *Anaëcaria excelsa* Silver Star; Dr. Harris Kennedy, artistic display of Japanese iris; Mt. Desert Nurseries, display of Japanese iris.

Vote of thanks—Julius Roehrs Co., collection of cut orchids.

Following is the list of judges as appointed and all but one of the gentlemen were on hand to perform their duties:

Commercial growers' section—Charles H. Totty, Madison, N. J.; G. W. Kerr, Doylestown, Pa.; Harry Turner, Youkers, N. Y.; Edwin Kirk, Bar Harbor, Me.; James Bond, Newport, R. I.

Private gardeners' section—Chas. Sandford, Buffalo, N. Y.; Arthur Griffin, Woburn, Mass.; Charles Knight, Greenwich, Conn.; Peter Murray, Fairhaven, Mass.; W. B. Koenig, Ogontz, Pa.

Retail section—William Duckham, Madison, N. J.; Edwin Jenkins, Lenox, Mass.; Fred Heerenmans, Lenox, Mass.

Amateurs' section—Wm. Nicholson, Framingham, Mass.; W. N. Craig, No. Easton, Mass.; Joseph Clark, West Manchester, Mass.

School Garden section—Rev. W. T. Hutchins, Millbury, Mass.; William Miller, Bar Harbor, Me.; Fred E. Palmer, Brookline, Mass.; Wm. Swan, West Manchester, Me.

During Recess.

Gardeners' and Florists' Club of Boston.

The grand annual picnic of the club will be held at Cunningham Park, East Milton, on Wednesday, July 24, 1912.

To reach picnic grounds take Milton and Ashmont cars at Park street or Dudley street, then at Milton Lower Mills take East Milton car to entrance to park. Via steam cars take train at South Station for East Milton. It is then about 10 minutes' walk, or you can take car for Milton Lower Mills, getting off at park entrance.

The prizes consist of a selection of valuable and useful articles donated by our many friends.

We hope every member of the club will be present with wives and families and make it your business to invite your friends, whether in the garden, greenhouse, store wholesale or retail, seedsman; in fact, everybody connected with the profession in any way help make this a banner picnic. We have the grounds and the prizes. All we want is the crowd. Do your part.

1. Baseball, Commercial vs. Private Gardeners. Limited to five innings. Captains, M. F. Ruane, R. W. Curtis. Prizes by Gardeners' and Florists' Club.
 2. Baseball, boys 16 and under. Limited to five innings. Prizes by R. & J. Farquhar & Co.
 3. Quoit match, Commercial vs. Private Gardeners. Captains, D. Iliffe, Kenneth Finlayson. Prizes by Wilfrid Wheeler.
 4. Lawn tennis for ladies. Prizes by Jos. Breck & Sons Co.
 5. 50 yard race for boys under 8. Prizes by Wm. Patterson.
 6. 100 yard race for single ladies. Prizes by Boston Plate Glass Co. and James Wheeler.
 7. 50 yard race for girls under 8. Prizes by Fottler, Fiske, Rawson Co.
 8. Time race, open to members, their wives and children. Prizes by H. M. Robinson & Co. and Wm. Patterson.
 9. Egg and spoon race for married ladies. Prizes by Penn, the Florist, and Wm. Downs.
 10. Potato race for boys under 15. Prizes by W. N. Craig and Eber Holmes.
 11. Flag race for girls under 15. Prizes by Peter Fisher and A. Cartwright.
 12. High jump. Prizes by Lord & Burnham Co.
 13. Fat men's race. Prizes, A. H. Hews Co.
 14. Baseball. Married vs. Single Ladies. Prizes by F. E. Palmer and W. R. Fischer.
 15. Putting shot. Prizes, Braman & Dow.
 16. 50 yard race for boys and girls under 6. Prizes by Mrs. W. W. Edgar.
 17. Needle threading race for ladies over 50. 35 yards. Prizes by W. W. Edgar Co.
 18. 100 yard race for men. Prizes by McHutchison & Co.
 19. Sack race for boys under 16. Prizes by McHutchison & Co.
 20. 50 yard race for girls under 12. Prizes by Alex. Montgomery.
 21. Three-legged race for men. Prizes by Thos. Westwood.
 22. 50 yard race for boys under 12. Prizes by Wm. Collins.
 23. Three-legged race for boys under 18. Prizes by M. A. Patten.
 24. Sack race for men. Prizes by Thos. J. Grey Co.
 25. Obstacle race. Prizes by H. W. Vose.
 26. Tug-of-war. Commercial vs. Private Gardeners. Captains, James Wheeler, John L. Smith. Prizes by William Sim.
- Ringmaster, Wm. J. Kennedy; Starter, Peter Miller; Clerk, Wm. N. Craig.
Judges: Thomas H. Westwood, Wm. J. Stewart, M. A. Patten, Duncan Finlayson, Geo. Anderson, Robert Cameron, Eber Holmes, A. Christensen.
Umpires: James L. Miller, Tom Westwood.
Committee: Peter M. Miller, Wm. Sim, Wm. J. Patterson, Herman H. Bartsch.
Chairman of entertainment committee: Wm. R. Nicholson.

The following members have subscribed to the picnic fund: A. Christensen, Robert Cameron, Neil Boyle, S. J. Goddard, D. Iliffe and others too late to wait for the printer. Please remember the following points:

1. Athletic events are open to members, their wives and families only.
2. Games will commence at 10 a. m. sharp.
3. Any event on the list may be called at any time.
4. No contestant can win over two first prizes, team events not, however, included.
5. Lady tennis players will please bring tennis rackets and balls.
6. Ball players are invited to bring bats, balls, gloves and masks with them.
7. There will be an intermission for luncheon at 12.30 o'clock. Members and friends should bring lunches with them; but tea, coffee, spring water and sandwiches will be provided.
8. There will be as usual something special provided for the ladies and children.
9. Contestants will please remember that racing costumes or spiked shoes will not be tolerated, and anyone wearing them will be barred out from all sporting events.
10. Come early, bring the whole family, and be prepared to spend a long and enjoyable day.
11. A cordial invitation is extended to non-members to be present; they will be made very welcome.

W. N. CRAIG, Secretary.

THOS. PEGLER, President.

Lancaster County Florists' Club Picnic.

With an ideal day the outing was a glorious success.

First came the beautiful ride from Lancaster to Pequea. At Pequea the first greeting was a well-filled picnic table to which ample justice was done, after which the time was spent sight-seeing. At 4.30 a substantial dinner was served, after which adjournment was made to the dancing pavilion, where games were indulged in.

Paul Weaver, son of Elmer Weaver, won first in the peanut running match and Robert Kohr, son of Frank Kohr, won second prize. In the running race Frances Moore won the prize for girls, Mrs. Albert M. Herr the first in women's race and Mrs. Brandt of York second. In the men's running race Wm. Beamenderfer won first and Harry Rohrer, treasurer of the club, second. In the general peanut scramble open to everybody, Miss Weaver won first. After the games we danced and if the florists of the United States had known it there would not have been room in the galleries for the on-lookers. Our Philadelphia and Chester County guests distinguished themselves on the dancing floor and everyone had a good time until about an hour before our car was due for the return trip and then down came the welcome rain just late enough not to spoil the fun and in time to cool it off for the trip home.

The committee of arrangements were Frank Kohr, Elmer Weaver, Willis Girvin, Edw. F. Law, Lemon Landis and Albert M. Herr. From Chester County we had: Wm. Swayne, C. P. Barnard, E. C. Marshall, James Brown, Jr., J. M. Palmer; from Philadelphia, S. S. Pennock, Charles E. Meehan and George C. Watson; from York, Mr. and Mrs. Brandt; from Shiremanstown, Mr. and Mrs. John F. Rupp.

ALBERT M. HERR.

Below, George C. Watson relates some of his sensations on this occasion:

In our innocence we thought it was the peaceful Conestoga we were rac-

ing around. Instead, it was the Pequea—another tributary of the Susquehanna. It was a blood-curdling trolley ride; in any case, you could look down a mile deep among the tree tops, and imagine what would happen if a cog slipped! We had several thousand kinds of heart throbs before we finally got to the end of the journey.

Lancaster County, however, is a peaceful and picturesque paradise. With all our heart we wished we had been among the pioneer farmers of Lancaster County two hundred years ago and pre-empted our share of that land. Pequea is a miniature Atlantic City in its way for Central Pennsylvania. They have cottages and bungalows, terraced all along the hillsides above the river and more being built every minute. Boating and bathing without limit. On the other hand, back in the woods were copperheads and any amount of botanical resources.

To this outing came the trade and all the old settlers for fifty miles around, in autos, in wagons, on horseback and by trolley until we had a real old convention. It made one imagine he was again in old Scotland where every parish has about a dozen different and distinct and only real religions! The poke bonnets looked good to me. We saw no clergymen, but there were lots of shady lanes. So wags the world! May the goddess of good fortune still continue to watch over winsome Lancaster.

GEORGE C. WATSON.

Cook County Florists.

The Cook County Florists' Association had a successful initial picnic July 14th. The grove was visited by about 400 florists and their friends during the afternoon and evening and the program was carried out without anything to seriously mar the event. A collision between the runners in one of the races makes John Zech a temporary sufferer, but like a good sportsman, he does not complain. The weather was ideal. All expenses were met and a neat sum left over.

Winners in the races were as follows:

Girls—6 years and under, R. Keimel, Alice Henderson; 10 years and under, Esther Keimel, Alice Henderson; 15 years and under, L. Koropp, M. Koropp.

Boys—6 years and under, Fred Ottenbacher, R. Koropp; 10 years and under, M. Pallaskey, D. Driscoll; 15 years and under, J. Lipp, R. Wittey.

Single ladies—Miss Ambler, Miss W. Jacobs.

Married ladies—Mrs. Olsen, Mrs. Plank. Fat men—Frank Potocka, M. Mayer. 150-yard dash—L. Koropp, Jr., W. Pagels. Sack race—L. Koropp, Jr., J. Jacobs. Pie eating contest—L. Koropp, Jr., J. Jacobs.

A Philadelphia Spasm.

Jno. C. Gracey is at Ocean City suffering from a severe attack of tinkeritis. This fearsome malady attacks both the head and the hand; if it stays on the bolt you are nutty; and if you bolt the job, you are nutty. Mr. Gracey is at Ocean City under the care of Charles E. Meehan—who in order to calm the patient has placed a motor boat at his service, and by judicious intervention for rest and recuperation, this safety valve for surcharged emotions is expected to secure a temporary if not permanent cure. Have arranged for hourly wire reports. Alleged joke registered and copyrighted by Samuel S. Pennock.

G. C. W.

CLUBS AND SOCIETIES

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

President Richard Vincent, Jr., has made the following appointments: Charles H. Totty, Madison, N. J.; W. N. Rudd, Chicago, Ill.; August Poehlmann, Chicago, Ill.; Robert Craig, Philadelphia, Pa.; George Asmus, Chicago, Ill.; Harry A. Bunyard, New York; Philip Breitmeyer, Detroit, Mich.; Benj. Hammond, Fishkill, N. Y.; I. S. Hendrickson, Floral Park, N. Y., as a Committee on Affiliation. President Vincent will act as chairman of this committee.

Edward Winterson, Chicago, Ill., and H. Brown, Richmond, Va., as members of the Committee on Sports.

Judges of the Trade Exhibition:—Robert L. Graham, Baltimore, Md., Adolphus Gude, Washington, D. C., and A. L. Vaughan, Chicago, Ill., for sections A, B, F; W. P. Craig, Philadelphia, Pa., A. L. Miller, Brooklyn, N. Y., and E. Allan Peirce, Waltham, Mass., for C, D.; S. S. Pennock, Philadelphia, Pa., Charles E. Critchell, Cincinnati, Ohio, and Ernest Weinhoeber, Chicago, Ill., for E, G; Philip Breitmeyer, Detroit, Mich., F. H. Weber, St. Louis, Mo., and H. V. Hunkle, Milwaukee, Wis., for H.

The program of the convention is in course of preparation, and will be sent out shortly with badge for 1912 to all members who have paid dues for 1912. It will facilitate the work of the secretary's office in Chicago, if all members who have not already done so, will remit dues promptly and badge will be sent by return mail.

Applications for space are still coming in freely and it has become necessary to take some of the space in the Annex which was reserved for the display of automobile trucks and power wagons, for exhibitors in some of the other classes. Among the many applications this week are:

W. H. Elverson Pottery Co., New Brighton, Pa.; A. E. Kunderd, Goshen, Ind.; Lager & Hurrell, Summit, N. J.; The O. F. Zurn Co., Phila., Pa.; Joseph Heacock, Wyncote, Pa.; Quaker City Machine Works, Richmond, Ind.; Advance Co., Richmond, Ind.; The B. F. Goodrich Rubber Co., Chicago, Ill.; Jac. Lederer, Chicago, Ill.; Morehead Mfg. Co., Detroit, Mich.; G. E. Travis Co., Henry, Ill.; Am. Florist Co., Chicago, Ill.; Florists Publishing Co., Chicago, Ill.; H. G. Dreyer & Son, Cleveland, O.

JOHN YOUNG,
Supt. of Trade Exhibition.

CANADIAN HORTICULTURAL ASSOCIATION.

The fifteenth annual convention will be held Aug. 6th, 7th, 8th and 9th, 1912., at Fraser Hall, Montreal, P. Q.

Officers—Ex-president, John Connon; president, A. C. Wilshire; 1st vice-president, Walter Muston; 2nd vice-president, secretary, Julius Luck, 1018 Queen Mary Road; treasurer, C. H. Janzen.

Executive committee—3 years, J. Graham, A. H. Ewing and H. G. Mullies; 2 years, A. Annandale, F. S. Cheesman and E. J. Mepsted; 1 year, F. McKenna, Wm. Downing and A. E. Ellis.

Superintendent of trade exhibit—George A. Robinson, 530 St. Catherine Road, Outremont.

Program.

Opening session, Tuesday, August 6th, 2.30 P. M. Address of Welcome,

by the Mayor of Montreal. Reply by J. Connon, Hamilton, Ont. President's address: A. C. Wilshire, Montreal. Secretary's report, Julius Luck, Montreal. Treasurer's report, C. H. Janzen, Berlin, Ont. Appointment of Judges for trade exhibit. Question box.

Wednesday, Aug. 7th, 9.30 A. M. Discussion of President's address. Report of Judges on trade exhibit. Paper, Cost of Production of Florists Stock, by W. W. Gammage, London, Ont. Question box.

Afternoon. Guests of the Montreal Harbor Commission.

Eight P. M. Paper, The Economical Management of a Retail Store, by Geo. M. Geraghty, Toronto, Ont. Paper, Commercial Orchids, by Thomas Manton, Eglinton, Ont. Question box.

Thursday, Aug 8th, A. M. Guests of the City of Montreal. Thursday, Aug. 8th, 3 P. M. Unfinished business. Selection of Place for next meeting. Election of officers. Final resolutions. Practical Demonstration in Arrangement of Cut Flowers, by H. Dillemath, Toronto, Ont. Association banquet, 7.30 P. M.

Friday, Aug. 9th. Visiting, MacDonald College, St. Anne de Bellevue.

NATIONAL ASSOCIATION OF GARDENERS.

The summer meeting of the board of directors of the National Association of Gardeners, was held in Horticultural Hall, Boston, on Saturday afternoon, July 13th. After disposing of the routine business before the session and deciding on holding the annual convention during the early part of November, the exact date and place to be announced later, adjournment followed to enable the members of the National Association present to attend the meeting of the American Sweet Pea Society, to which they had been earlier invited. In the evening the members were entertained at an informal banquet, together with the members of the Sweet Pea Society, by the Gardeners' and Florists' Club of Boston.

On Sunday, the day following, several members of the National Associa-

tion with others, enjoyed an automobile tour of the city's parkways and parks, also a visit to the Arnold Arboretum, the newly-elected superintendent of parks, Mr. James B. Shea, accompanying and entertaining the visitors at one of the park inns. Our members returned to their homes even more impressed than heretofore that to the gardener Boston leads as the city of genuine hospitality.

M. C. EBEL, Sec.

CHICAGO FLORISTS' CLUB.

An adjourned meeting of the Chicago Florists' Club was held July 11, over 50 members being present.

The evening was devoted to discussion of the proposed changes in the by-laws and to the reports of the S. A. F. convention committees. D. A. Robertson, chairman of Ladies' Entertainment Day Committee, reported favorably on the South Shore Country Club and the matter held for further consideration.

W. N. Rudd, chairman badge and ticket committee reported selection made and 3000 ordered. E. F. Winterson reported that sports and pastimes committee had their plans all ready for the O. K. of C. Graham, chairman S. A. F. sports committee. Geo. Asmus asked for any further suggestions for the souvenir album. E. A. Ollinger reported the baseball team complete, and P. J. Foley spoke of the outing at Ravinia Park.

An invitation was telegraphed to the National Sweet Pea Society at Boston, to hold its next meeting here.

Next meeting will be held July 25.

J. W. Page, Paul Diebold, James Fisher, Tony Einwech, G. E. Raedlein, A. L. Randall and S. G. Anderson were elected to membership.

ST. LOUIS FLORIST CLUB.

At the meeting on Thursday afternoon, July 11th, all the officers were in attendance and a large number of members when President Windler called the meeting to order. Trustee Weber reported that the trustees had completed all arrangements for the annual outing for Wednesday, July 17,

FERN GROUP BY W. A. MANDA AT INTERNATIONAL EXHIBITION.



Winner of Silver Cup for 12 Specimen Ferns and First Prize for 6 New Ferns

at Preister's Park near Belleville, Ill. C. E. DeWever of the Bulletin Committee made a favorable report. Fred H. Weber, S. A. F. State vice-president reported on transportation matters pertaining the coming convention and a vote was taken in favor of going by the Wabash R. R. Eight applications for membership were received. Officers were nominated as follows: President Windler having declined reelection, the nominees for this office were Fred H. Weber and Jules Burdet; vice-president, Chas. Young and Gus. Grossart; secretary, J. J. Beneke and W. C. Young; treasurer, W. C. Smith and C. Bergesterman; ofr two trustees F. J. Fillmore, John Connon, Will Ossick, Hugo Werner and F. Venne-mann, were placed in nomination. The next business was two discussions—one led by C. E. DeWever on Relative value of Overhead and Sod Irrigation, and the other by Henry Emunds on Growing Chrysanthemums Late and Early. Interesting discussions followed. The next meeting will be on August 8 at 2 P. M.

CLUB AND SOCIETY NOTES.

The Greek American picnic of the New York florists on July 8 was a great success.

The N. Y. and N. J. Association of Plant Growers had a dinner and theatre party at Coney Island, July 18.

The Albany (N. Y.) Florists' Club will have a family clam bake the latter part of August. The regular August meeting of the Club will be held at Henkes Bros' place in Newtonville.

President Joseph A. Manda has appointed Frank H. Traendly, C. B. Weathered, W. F. Sheridan, C. H. Totty, I. S. Hendrickson, Robert Koehne and A. L. Miller as the Nominating Committee of the New York Florists' Club.

The monthly meeting of the Westchester and Fairfield Society was held in Greenwich, Conn., Friday, July 12th. Sweet peas were greatly in evidence that night, and a vote of thanks was given to all the exhibitors. The annual outing will take place on Wednesday, August 7th, at Edward's Hotel, Rye Beach. Information and tickets can be secured before July 25th from the outing committee secretary, W. J. Sealey, Port Chester, N. Y.

NEWS NOTES.

Greenport, N. Y.—J. Clarence Wells, of Brooklyn, has purchased the Harlowarden Greenhouses at public auction.

Onarga, Ill.—The land on which the Mosbaek greenhouses stood, has been sold and will be used for farming. The greenhouses were destroyed by fire some time ago.

Reading, Pa.—Part of the chimney at the greenhouses of G. H. Hoskins & Co., 37 North Tenth street, was blown down recently, crashing through a greenhouse and breaking about 500 lights of glass.

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CATTLEYA MOSSIAE, Per Case \$40.00.

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We have also about 25 cases of an extra fine type of **CATTLEYA TRIANAE** with finer flowers and will yield 50% more flowers to the bed than the common type. The cheapest we can sell these is \$50.00 per case, but they are cheaper at that than the ordinary one at \$40.00.

LAGER & HURRELL, SUMMIT, N. J.

PRESENT KNOWLEDGE OF SWEET PEA DISEASES AND THEIR CONTROL.

A paper by J. J. Taubenhaus, Delaware College Agricultural Experiment Station, Newark, Del., read before the American Sweet Pea Society, Boston, July 13, 1912.

It is indeed a great privilege and pleasure for me today to address you on a topic which I am sure interests us all alike. I am also glad to take this opportunity to express to you in behalf of the Delaware College Agricultural Experiment Station, and of the University of Pennsylvania our sincerest appreciation of the kindness of all the seedsmen who have so generously sent us sweet pea seeds and thus founded a nucleus for our investigations of the diseases of the sweet pea. I am a lover of flowers, and especially a lover of the sweet pea. The more of this flower I saw the more convinced did I become that it is far from being as free from insect and fungus attacks as the majority of the seedsmen and growers honestly but erroneously believe. In some of our best written manuals on sweet peas the topic of insect and fungus diseases hardly occupies one-quarter of a page. That the sweet pea is becoming more popular with the American people needs no proof. If once we grow sweet peas we shall grow them continuously. However, most amateurs, for reason either of lack of space or unknowingly, grow their sweet peas in the same lot year after year. The result is that disease set in and make it impossible any longer to grow sweet peas on that same place. Immediately, the seeds are blamed and the customer begins changing trade from seedsmen to seedsmen, but with no better results. Thus, lack of information on the part of the grower or amateur on the one hand and the slowness of the seedsmen to admit

that the sweet peas may be troubled by diseases on the other, causes the trade invariably to suffer. Hence, when considered purely on an economic basis, the seedsmen are the losers. For whatever disease the seedsmen is willing to admit, he usually throws the blame to high feeding or to the dry weather. From inquiries sent out to most of the seedsmen who grow sweet peas in this country, only two very vaguely admitted that their sweet peas were troubled with blight. We do not for one minute doubt the truth of the statements of all these gentlemen, but we believe that if the seedsmen took this matter more seriously they would soon realize that their interests are at stake. We should feel highly gratified and our efforts would be well repaid if we could impress you with the fact that sweet peas suffer from diseases caused by either insects or parasitic fungi. It is to the benefit of the seedsmen and the well being of the trade to admit these facts and recognize the necessity of investigating these diseases and finding remedies for them, and of disseminating broadcast the results of these findings to all those interested in them.

Before entering into the discussion proper of the diseases of the sweet pea, I wish to state that the Delaware Agricultural Experiment Station, in co-operation with the University of Pennsylvania, made it possible for me to carry on, for the last two years, investigations of the diseases of the sweet pea. The information which we are about to give is of necessity of a preliminary nature, since we have by no means exhausted the subject. Nevertheless, we believe that we have gathered enough to justify the presentation of this paper. The information is first hand, as it is all the result of our personal investigations and studies in both field and laboratory. In Newark, Del., we now have one-half acre of sweet peas devoted exclusively to the study of the diseases.

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CAMBRIDGE, MASS.**

Obituary.

Charles E. Brinton.

Charles E. Brinton, of George W. Brinton & Sons, florists, Wilmington, Del., died suddenly on June 30 in Benton, Arizona. He was 51 years of age and unmarried.

George Farrant.

On July 3, George Farrant, manager of the Pleasantview Greenhouses, Madisonville, Ky., dropped dead in the street. He was born in Devonshire, England, fifty-four years ago. His wife and three children survive him.

Frank D. Voris.

Frank D. Voris of Neoga, Ill., once president of the Illinois Horticultural Society, was buried on July 9. He was a frequent attendant at University of Illinois meetings, particularly in connection with the Illinois Horticultural Society. He had been in feeble health for several years.

Joseph Wetzler.

Joseph Wetzler, in charge of the conservatories of Dr. H. B. Jacobs, 11 West Mount Vernon Place, Baltimore, Md., died on July 4, from the result of a fall down an elevator well at the home of Dr. Jacobs. He was born in Germany where he learned gardening and came to this country in 1885. He was 53 years of age.

Mrs. A. S. Burns.

Mrs. A. S. Burns, wife of Alex. S. Burns, Woodside, N. Y. and mother of A. S. Burns, Jr., of Spring Valley, N. Y., died on July 12. The funeral took place on Tuesday, July 16th, at Mt. Kisco. Mrs. Burns has never recovered from the effects of an almost fatal trolley car accident several years ago and has been a constant sufferer physically and from nervous shock ever since.

NEWS NOTES.

Clintonville, Ohio.—The North Side Floral Co., A. C. White, proprietor, Plantangy street, has begun business here.

Ansonia, Conn.—Thomas J. Mooney, proprietor of the Ansonia Floral Co., has purchased the flower and truck farm of Frank L. Hotchkiss, on the Seymour road.

Rockton, Ill.—Lightning struck the greenhouses of J. H. Farnsworth on June 29 and two houses were destroyed. Loss partially covered by insurance.

THE HOLLAND HOUSE SHOW.

The summer show of the Royal Horticultural Society is always a popular fixture in the society's calendar. The three days' show, held in the grounds of Holland House, Kensington, Eng., on July 2, 3 and 4, was far in advance of any preceding ones which have taken place here. Eight spacious marquees, with improved methods of ventilation, were erected. There were 143 exhibitors, the leading specialists in each branch of horticulture being well represented. The principal tent presented a charming spectacle, with its artistically arranged floral groups. The wall, court, and water gardens were splendid examples of the highest form of garden craft. The orchids were not numerous, but well known exhibitors including Sander & Son, St. Albans; Mansell & Rawdon, York; Stuart Low & Co., Bush Hill Park; and others contributed from their valuable collections. The season has been very favorable for rose culture, and this section was one of the best ever seen at Holland House. Sweet peas were also a striking feature. The excellent show of herbaceous plants was in keeping with the high standard which prevailed. The characteristic features of a Dutch garden were faithfully represented by Piper & Son, of Bayswater, in the outdoor section. Waterer & Sons, of Bagshot, had a collection of handsome large yews in tubs; Russell of Richmond, Surrey, made an admirable show of tree ivies.

Carter & Sons, of Raynes Park, Surrey, laid out a picturesque Japanese garden. Some remarkably well grown bay trees in tubs formed an imposing avenue, these coming from the nursery of Veitch & Sons. A group of Araucaria Silver Star, by Rochford & Sons, attracted considerable attention. The Coronation challenge cup was won by James Veitch & Sons, for fruit trees in pots and stove plants. The Wigan challenge cup was won by John Mattock of Oxford, for roses. A silver Flora medal was allotted to W. A. Manda, South Orange, New Jersey, U. S. A., for a splendid group of foliage plants. Included was a fine specimen of Polypodium Mandaianum, which was awarded a first-class certificate.

W. H. ADSETT.

Miss Nora Ohl of the Primrose Flower Shop, Ardmore, who has been established in that progressive and populous Phila. suburb for some time, and has built up a good business in the retail flower line will erect a conservatory 18x68 feet and also a new store 20x70 feet on a lot recently purchased located near the station. The Foley Mfg. Co. have the contract.



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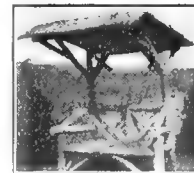
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CHICAGO NOTES.

New Roses Seen in Chicago Now.

As the summer advances and the hot weather puts all stock to a severe test, it is interesting to note the effect upon the several comparatively new varieties of roses being tried here. Poehlmann Bros. are always ready to devote time and space to new varieties and just now Lady Hillingdon is seen on their counters. If a rose that holds its color without fading and is carried on a two and a half and three-foot stem is a success, then Lady Hillingdon is one. In the store it is said this rose had been considered doubtful, but that it holds up well in color, foliage and stem in a July crop causes the verdict to be favorable.

Prince de Bulgarie (also called Mrs. Taft and Antoine Rivoire) is now proving a better shipper than Killarney, having more body. Killarney Queen is promising well, keeping good color in this hot weather. Double Pink Killarney is coming now in large quantities and on account of its extra petals make an excellent summer shipper. Mr. Poehlmann says Melody helped out finely in June when yellow is so much needed and so little to be had, but loses its color later. Mrs. Aaron Ward has held up better, its color being strong enough while still in bud, though fading when the flower opened.

Personal.

Roswell Schupp is at Lake Geneva. E. B. Bassett is reported as improving.

Charlotte Paradise leaves Saturday for Glen, Mich.

Adolph Benesh of Winterson's is taking a trip through Illinois.

W. J. Nissen is the new bookkeeper at Chicago Flower Growers' Association.

Miss Amy Schultz, from, J. A. Budlong's office, is spending a month in Colorado.

A. L. Vaughan and family are at Freemont, Mich., where report says the fishing is excellent.

C. N. Dickinson and son, Donald, are in Michigan looking up a camping place for the Boy Scouts.

Frank Potocka and Miss Wallace are no longer connected with the Chicago Flower Growers' Association.

J. F. Sinner, who has a severe case of blood poisoning in his arm is considered better but not yet out of danger.

H. C. Wulbrandt has returned from a southern trip in which he invested in southern land. Mr. and Mrs. Wulbrandt are now leaving for a month's visit in their old home in Nebraska.

D. D. Johnson of the United Fertilizer Co., left Tuesday for Atlantic City, N. J., to attend the American Fertilizer Convention, July 15-19. Mr. Johnson will visit several eastern cities in the interest of his company before returning.

Visitors—Chas. Graham, Cleveland, O.; Mr. Joy of Joy Floral Co.; Memphis, Tenn.; J. J. LeBorius, Duluth, Minn.; A. F. Barbee, Kansas City, Mo.

The Senate Committee on Agriculture has made a favorable report on Senator Burnham's bill authorizing the Secretary of Agriculture to create an Horticultural Commission with powers to enforce quarantine regulations against plant diseases and insect pests.

WASHINGTON NOTES.

Walter Hawley has left for New York where he will visit his parents, later going to Boston to finish a four weeks' vacation.

Mr. and Mrs. John Henry Small, Jr., have sent out cards announcing the marriage of their daughter Madison to Mr. H. B. Leary, Jr., which took place on the lawn of their country home, Longmeadow, at North Chevy Chase, Md., last week. The young couple, upon their return from a bridal tour, will take up their residence for a time at Longmeadow.

Preparations have practically been completed for the holding of the joint outing of the Florists' Club of Washington and the Kallipolis Grotto, a Masonic organization which numbers among its members many florists, at Chesapeake Beach next week. The principle features scheduled is the baseball game between the two and the field and track events. One thousand tickets have been distributed by the florists themselves and it is expected that fully one-half of the holders of these tickets will attend.

A bill has been introduced into the House of Representatives which, if it becomes a law, will close up all the florists stores within the District of Columbia on Sundays. By the terms of the Bill, "any person, firm or corporation, who shall follow their usual avocation or work at their ordinary calling on the Sabbath Day, excepting works of charity and necessity, shall be punished as for a misdemeanor." Floral work cannot be called a charity or a necessity and so they would fall within the meaning of the law. Other trades would also be so hit and a lively opposition to the bill may be expected.

At a meeting of the joint congressional committee on the library held on Monday last, C. Leslie Reynolds was named as superintendent of the Botanical Gardens to take the place of the late William R. Smith, and plans for the enlarging of the scope of the Gardens were discussed. Mr. Reynolds the newly appointed superintendent started in the government employ as a page at the capitol. In March, 1873, he secured his transfer to the Botanical Gardens as a messenger boy, later becoming an apprentice and, after many advances, assistant superintendent. In recent years, while the late William R. Smith was in such feeble health, he has acted as superintendent and showed that the past thirty-nine years of his service fully warranted his being placed in charge. Personally, he will make but very few changes, preferring to carry on the work as outlined by his predecessor. As the work of the Botanical Gardens is more or less limited by a lack of space, it is possible that sooner or later a new location will be looked for. Sites in Rock Creek and Potomac Parks have been suggested but no definite action towards securing them has been taken nor will anything be done this year.

IN BANKRUPTCY.

Seattle, Wash.—A petition in bankruptcy has been filed by F. L. Ziegler, 8 South Lincoln street. Assets \$8,136, liabilities \$6,607.

Lynn, Mass.—Walter B. Thompson, florist, has filed a petition in bankruptcy. Liabilities \$2,375, assets \$225.

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GIGANTEUM.

8/10 in. at \$25.00 per case of 250 bulbs.
10/11 in. at 22.50 per case of 150 bulbs.
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No other sizes for sale.

Prices for fresh bulbs—fall delivery, 1912.

GIGANTEUM.

Size.	Case Contents.	Per Case.	Per 1,000.	Per 10,000.
6/8 in.	400	\$18.00	\$35.00	\$350.00
7/9 in.	300	18.00	50.00	480.00
8/10 in.	250	22.50	90.00	800.00
9/10 in.	200	22.00	110.00	1000.00

FORMOSUM.

Size.	Case Contents.	Per Case.	Per 1,000.	Per 10,000.
6/8 in.	400	\$18.00	\$40.00	\$350.00
7/9 in.	300	18.00	60.00	550.00
8/10 in.	250	20.00	80.00	750.00
9/10 in.	200	17.00	85.00	800.00

7/9 in. chiefly red-stems, at \$21.00 per case of 300.

MULTIFLORUM.

Size.	Case Contents.	Per Case.	Per 1,000.	Per 10,000.
6/8 in.	400	\$18.00	\$40.00	\$350.00
7/9 in.	300	15.00	50.00	480.00
8/10 in.	250	20.00	80.00	750.00
9/10 in.	200	18.00	90.00	850.00

STEPHENS HARRISII.

5/7" 400 \$12.00 cash, \$15.00 per case on credit.
6/7" 335 13.00 cash, 14.00 per case on credit.
7/9" 200 15.00 cash, 16.00 per case on credit.

Prices on other sizes and varieties upon application. All prices duty paid, f.o.b. New York. Japan bulbs for fall shipment can also be delivered at same prices, f.o.b. Chicago, Cincinnati, Pittsburgh, Memphis, or Pacific Ports. Send for the Book of Bulbology.



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Can be produced only from the giant strains. Our CHALLENGE PANSY seed contains only the giant self-colors, the giant striped and variegated and the giant blotched, etc., all carefully mixed in proportion. You could not buy better seed if you paid \$100 per ounce. Our Challenge Pansy seed during the past season gave unprecedented satisfaction, and every order booked last year was duplicated and increased this year. All the testimonials received mentioned specially the high grade of flowers—color, form and size of the individual blossoms. This year, by adding improved types, intending customers can absolutely rely on a duplication of this season's success with increased satisfaction. Our "mark" for this strain is "Challenge," and it is all the word denotes.

Pansy—Boddington's "Challenge"—All Giants.

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said: "Why don't you call it Defiance."
 ½ trade pkt. 25c., trade pkt. 50c., ¼ oz. 75c., ¼ oz. \$1.50, ½ oz. \$2.75, oz. \$5.00.

BODDINGTON'S QUALITY "ENGLISH" PANSY.

A superb strain of highly colored flowers in great variety and immense size.

Our Mr. Bunyard, while visiting the Royal International Exhibition in London, was much impressed with these blooms and secured as much seed as possible—but only sufficient to offer same in packets which we do as follows:—

Trade Packet (500 seeds) for \$1.00
 ½ Trade Packet (250 seeds) for .50

OTHER CHOICE VARIETIES OF GIANT PANSIES.

Triumph of the Giants. Extremely large flower of beautiful coloring. Should be grown by every florist. Tr. pkt. ¼ oz. ½ oz. \$0.50 \$2.75 \$5.00

	Tr. pkt.	¼ oz.	½ oz.
Boddington's "Challenge" Mixture.....	\$0.50	\$1.50	\$5.00
Giant Trimardeau. Mammoth-flowering, and in a good range of color.....	15	50	1 50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved; exquisite colors....	25	1 25	4 00
Cassier's Giant. A fine strain of large, highly colored flowers.....	15	85	3 00
Giant Bugnot's Stained. Extra choice flowers, large and plenty of light colors	50		
Giant Madame Perret. A recent introduction by a celebrated French specialist; of strong, free growth.....	15	85	3 00
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	15	75	2 50
Giant Lord Beaconsfield. Deep purple-violet, top petals light blue.....	15	50	1 50
Giant Canary Bird. Ground color is a bright golden yellow and each petal is marked with a darker blotch.....	15	85	3 00
Giant Orchidaeflora, or Orchid-flowered Pansy. Splendid variety; beautiful shades of pink, lilac, orange, rose, terra cotta, chamouis, etc.....	25	1 25	4 00
Giant Emperor William. Ultramarine-blue, purple eye.....	10	50	1 50
Giant Golden Queen. Bright yellow, no eye.....	15	60	2 00
Giant Golden Yellow. Yellow, brown eye.	15	75	2 50
Giant King of the Blacks (Faust). Black.	15	60	2 00
Giant President McKinley. Golden yellow, large dark blotch.....	15	85	3 00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	15	75	2 50
Giant Pretiosa. Crimson-rose, white margin, violet blotch.....	25	1 25	4 00
Giant Rosy Lilac.....	15	60	2 00
Giant White. Violet spot.....	10	60	2 00



CHALLENGE PANSY

NOVELTY PANSIES

	Tr. pkt.
ADONIS. Light blue, with white center.....	\$0.25
ANDROMEDA. Rosy, with lavender tints.....	25
BRIDESMAID. Giant flowers of rosy white.....	25
EMPEROR FRANCIS JOSEPH. Pure white, large violet spots.....	25
MAUVE QUEEN. A delicate mauve Pansy, the lower three petals marked with a large blotch of carmine...	25
PSYCHE. Violet, bordered white; beautifully waved petals.....	25
PEACOCK. All the name implies; a most beautiful vari-colored variety; peacock blue, edged white.....	25
RUBY KING. Superb crimson and red shades.....	25
SNOWFLAKE. Pure white; immense flower.....	25
VULCAN. Giant brilliant dark red, with five black blotches; unique.....	25

Collection of the above 10 varieties, one packet each, for \$2.00.

BODDINGTON'S GIANT PANSIES TO COLOR.

Named Varieties Mixed
 For our customers who desire special shades in Pansies we have pleasure in offering the following:
 Light Shades, Yellow Shades, Spotted Shades, Striped and Mottled, Dark Shades, Blue Shades, Bronze Shades, Red and Brown Shades, trade pkt. 25 cts., ¼ cz. \$1.00, ½ oz. \$1.75, oz. \$3.00.

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St. NEW YORK

ST. LOUIS NOTES.

It has been rumored that Fred Pape will be appointed assistant city forester this week by City Forester Julius Koenig.

Mr. A. Roherbach has bought the greenhouses and grounds from the Brix Floral Co. at Jennings Station. He will grow for the local market.

Geo. T. Angermuller will, along with Mrs. Angermuller, leave this week for a western trip by automobile, having recently bought a new touring car.

Julius Schafer, manager for Mrs. M. M. Ayers on Grand avenue is visiting Chicago for a ten days' vacation and on his return Mrs. Ayers will leave for a summer trip east and will return when the fall season opens.

State Vice-President F. H. Weber of the S. A. F., reports that he has a large list of florists who are going to the Chicago convention next month. There may be as many as sixty going. This will be the largest delegation ever out of here for a S. A. F. Convention.

The C. Young & Sons Co. held a

stockholders' meeting last week and the following officers were elected to serve one year. James Young, president; W. C. Young, vice-president and manager of greenhouse plant; Edna Young, secretary, and Charles Young, treasurer and manager of the store.

Beloit, Wis.—Lightning struck the greenhouse of J. H. Farnsworth, near Rockton, on June 29 and two buildings were destroyed by the fire which followed. Loss partially covered by insurance.

Boddington's "Quality" Christmas-Flowering Sweet Peas

We are Super-Headquarters

All true stocks of Winter-flowering Sweet Peas will be scarce this season. Some varieties are a total failure owing to the exceptional season in California this Spring. Our advice to intending planters is to order at once. Mr. Wm. Sim, Cliftondale, Mass., the great winter sweet pea specialist sows our seed almost exclusively.

Our stocks of Christmas-flowering Sweet Peas have stood the test for years, and we can refer you to the largest growers of this increasingly popular flower, as to the trueness and quality of our seed, earliness of blooming period and strength and habit of plants.

The following varieties are the "best by test" and include Zvolanek's and our own introductions, grown for seed from selected stocks by the leading California grower and specialist in Sweet Peas.

Our output last year was nearly 3000 lbs. Few kicks and plenty of testimonials as to quality, germination and trueness to type.

On the varieties preceded by a * we can make immediate delivery.

FILL OUT COUPON BELOW AND RETURN

Quantity

- *BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year; name on application. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.
- BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.
- *BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.
- ANGELINO. Self pink; new variety. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$4.50.
- CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.75, lb. \$3.00.
- CHRISTMAS CAPTAIN. Blue and purple. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.
- CHRISTMAS METEOR. Scarlet; fine open red flower. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.
- CHRISTMAS STELLA MORSE. Creamy buff standard, wings slightly tinged with pink. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$4.50.
- FLAMINGO. Color scarlet; free-flowering and early. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.
- *FLORENCE DENZER. Pure white. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.
- *LE MARQUIS. This is the same color as Princess of Wales, violet; has very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.
- *MRS. ALEX. WALLACE. Lavender; very scarce. Oz. 25 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.
- MRS. CHAS. H. TOTTY. Sky-blue. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.
- MRS. F. J. DELANSKY. Daybreak pink. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.25, lb. \$4.00.
- MRS. GEO. LEWIS. Large, pure white, wavy flower. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.
- *MRS. E. WILD. Carmine or dark pink. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.
- MRS. HANNAN. Deep rose-pink; very pleasing shade. Oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, $\frac{1}{2}$ lb. \$2.00, lb. \$3.50.
- MRS. W. W. SMALLLEY. Satiny pink. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.75, lb. \$3.00.
- MRS. WILLIAM SIM. Salmon-pink. Oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.
- MRS. ZVOLANEK. Blue, variegated. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.
- MISS HELEN M. GOULD. White, open flower; standard lilac, marbled. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.
- *MISS JOSEY REILLY. Lilac; very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.
- WALLACEA. Fine lavender; a grand florists' variety. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.
- *WATCHUNG. Pure white. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.
- WM. J. STEWART. Blue self. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

All other varieties of Winter and Summer-flowering Sweet Peas supplied. Write for quotations. 5 per cent. may be deducted if cash accompanies the order.

Name.....

Address.....

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St. New York City

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109 BROAD STREET
NEW YORK
Phone 242 Broad

THEO. FICKE TRUCKMAN

Established 1890

BRANCH
844 WASHINGTON ST.
NEW YORK
Phone 1508 Chelsea

**Special Attention Given to Import Freight
Accounts in or out of Town Solicited**

Seed Trade

Garden Peas From New Zealand.

F. R. Cooper of Wellington, New Zealand, who attended the seedmen's convention in Chicago, is calling now on the trade in the east on behalf of his firm, offering garden peas for seed purposes. He is very enthusiastic about the outlook in his line in the United States, where every seedsman is admiring the fine samples he is showing and no doubt New Zealand may fill the wants caused by bad crops in peas in the northern half of the Globe. Mr. Cooper is in company of two of his sisters and is combining business with pleasure.

Notes.

Rocky Ford, Colo.—H. D. Garwood, secretary of the Ebbert Seed Co., has sold his interest to the president, A. W. Creager.

Washington, Iowa—L. D. Langworthy and S. H. White have purchased the interest of Mr. Mills in the Mills Seed Co.

Madison, Wis.—The L. L. Olds Seed Co. has purchased property on Williamson street on which they will erect a four-story building for their own use.

R. T. Edwards, formerly with N. B. Keeney & Son, bean and pea growers, is now with the Everett B. Clark Seed Co. as assistant superintendent of their Green Bay, Wisconsin branch.

The Northern Seed Company held its annual meeting at Cass Lake, Minn., on July 9th, and elected the following officers: President, N. E. Jondahl; vice-president, Chris Burns; secretary, Al. J. Hole; treasurer, L. B. Galbraith. The board of directors includes the above list with the addition of H. Mullen, A. J. Swanberg and Lester Bartlett. The company also ordered a good supply of Alberta red winter wheat and farmers hereabouts will be induced to plant some of it this fall. Two hundred shares of stock were also placed on sale.

NEWS NOTES.

Cincinnati, Ohio—The Lebanon Nursery Co., Lebanon, O., have opened a store at 213 Fourth avenue, east.

Milwaukee, Wis.—The firm of Heitman & Baerman, North avenue and 58th street, has been dissolved, Mr. Baerman retiring. Eugene Oestreicher has joined Mr. Heitman in forming the Heitman-Oestreicher Co., which will continue the business.

PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KIMBLE STREET, CHICAGO

ONION SETS
Write for Prices

EVERGREEN SEEDLINGS.

(COPY)

Board of United States General Appraisers.
New York, June 20, 1912.

In the matter of protests 52474-5443 - 529325-5706 of R. & J. Farquhar & Co., against the assessment of duty by the collector of customs of the Port of Boston.

Before Board 3.

Waite, General Appraiser.

It is claimed in these cases that merchandise which was assessed as nursery stock under paragraph 264, tariff act of 1909, should be free of duty as evergreen seedlings under paragraph 668. It seems to be conceded on the part of the Government (see report of appraisers) that the goods in question are seedlings, but they were assessed for duty as nursery stock, for the reason they had been transplanted Under the rule adopted by the board in Harris' case, abstract 28011 (T. D. 32346) the fact of transplanting will not remove evergreens grown from seed from classification for tariff purposes as evergreen seedlings under paragraph 668. Therefore, as to such evergreens on the invoices as are conceded by the Government to have been produced from seed, we sustain the claim that they are entitled to free entry under paragraph 668, regardless of the fact that they may have been transplanted. As to such goods, the collector is instructed to reliquidate, the protests being overruled in all other respects.

Signed

BYRON S. WAITE,
H. M. SOMERVILLE,
EUGENE G. HAY,

Board of United States General Appraisers.

CATALOGUES RECEIVED.

Charlesworth & Co., Haywards Heath, London, Eng.—Descriptive and Priced List of Orchids. This is a superb production and lists a most unusual number of rare species and varieties. Every orchid lover should have a copy where he can have frequent access to it. No less than 150 genera are listed. Life-sized portraits in colors are given of Cattleya Rhoda "Illuminata," Odontoglossum Harwoodii, Laelio-Cattleya Sylvia, Odontoglossum Jeanette, Odontoglossum Ossultonii, Sophro-Cattleya Jeannette, Odontoglossum Harwoodii Shrubbery variety, Odontodia Euterpe, Sophro-Cattleya Lotte Muller.

Luther Burbank, Santa Rosa, Cal.—Gold Medal Newest Agricultural-Horticultural Opuntias, Spineless Cactus. A quite pretentious title, and the claims made for the Burbank breed of spineless opuntias in the pages of this catalogue are equally so, even to the assertion that the production of these new spineless fruiting cacti is as im-

**HIGH GRADE SEASONABLE FLORISTS
SEED. LATEST CROP.**

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Place Your Order Now For
**AYRES' WINTER FLOWERING
SWEET PEA SEED**

For Fall Delivery

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

Sunnyslope

Independence, Mo.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

POINSETTIAS 2 1-2 in. strong, \$5 per 100; \$45 per 1000
CYCLAMEN SEED the celebrated English strain, \$9 per 1000
PANSY SEED, home-grown, finest giant strain, \$5 per oz.
Send for Catalogue.

S. S. SKIDELSKY & CO.
1215 Betz Bldg. Philadelphia.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

important to the world as the discovery of a new continent. The pamphlet is illustrated with a number of interesting photographs and the text is also quite interesting. We sincerely hope that the strenuous author may be able to demonstrate to the world all that he represents and more.

INCORPORATED.

Spokane, Wash.—Spokane Greenhouse Co., capital stock, \$20,000. C. T. Kipp, president; A. F. Biehler, vice-president; J. F. Austin, secretary and treasurer. The company owns 26 acres of land near Marshall and expect to put up a range of 20,000 of glass next spring.

COLD STORAGE LILIES

PLANTED NOW WILL BLOOM IN OCTOBER

Just when good flowers are scarce and in consequence they bring the best returns.

LILIUM GIGANTEUM

	Per Case	1000
6 to 8 inch (350 bulbs to case).....	\$21.00	\$60.00
7 to 9 inch (250 bulbs to case).....	20.00	80.00
8 to 10 inch (200 bulbs to case).....	21.00	100.00

No orders can be filled for less than a full case. Our latest Wholesale Catalogue of Bulbs, Seeds and Florists Supplies, free upon request

HENRY F. MICHELL CO., 518 Market Street Phila., Pa.

SCOTCH SOOT

Imported

For slugs and other parasites

112 lb. Bag, \$3.00

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XX Retarded Berlin (Cold Storage)

LILY OF THE VALLEY PIPS

In Boxes

250 \$4.50 500 \$8.50 1000 \$16.00

WEEBER & DON

Seed Merchants and Growers,
114 Chambers Street, New York City.

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Contract Growers of

Watermelon and Muskmelon Seeds

for the Wholesale Trade only

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FLOWER SEEDS

For Early Sowing

Price List for the Asking

The W. W. Barnard Co.

231-235 W. Madison St., CHICAGO

VEGETABLE PLANTS

CABBAGE. Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over 85 cts. per 1000.

CASH WITH ORDER

R. VINCENT, Jr. & SONS CO., WHITE MARSH, MD.



Vick Quality Seeds, Plants, Bulbs

ASK FOR

Wholesale Catalogue

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Seedsmen
ROCHESTER, N. Y.

TOMATO SEED

BEST STOCKS. ALL VARIETIES.

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Growers for Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

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Fruitmen, Horticulturists and Poultrymen should get their printing done by specialists. Write for prices to THE REX CO., Harrisburg, Pa.

In ordering goods please add "I saw it in HORTICULTURE."

Thorburn's Seeds

Asparagus Plumosus Nanus

NEW CROP NOW READY.

Per 1000 seeds, \$1.50; 5000 and up @ \$1.25 per 1000.

BULB CATALOGUE NOW READY — SEND FOR A COPY

It contains prices on Perennial flower seeds, both hardy and greenhouse, for present sowing as well as attractive quotations on French and Holland bulbs for outdoors and for forcing.

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33 Barclay Street, - NEW YORK

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J. C. Robinson Seed Co.

Waterloo, Neb.

Rocky Ford, Colo.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar, Flint and Field Seed Corns.

J. BOLGIANO & SON

WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

Write For Our Low Prices

LIGHT, PRATT and ELLICOTT STS.
BALTIMORE, MD.

CHOICE SEEDS

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Stocks, Asters, Chinese Primulas, &c.
THOMAS J. GREY CO.

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W. J. PALMER, Buffalo, Vice-President.
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Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

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The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

Of Interest to Retail Florists

Tacoma, Wash.—The Smith Floral
Co. have moved to 1116 C street.

Marietta, Ohio—The Marietta Floral
Co. is now located at 290 Front street.

Portland, Ore.—The Tonseth Floral
Co., formerly at 325 Morrison street,
are now located at 133 Sixth street.

Clifton Forge, Va.—The Allegheny
Horticultural Co. is the new name of

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow...Aug. 2
American.

St. Paul, N. Y.-S'th'mpt'n...July 27
St. Louis, N. Y.-S'th'mpt'n...Aug. 3

Atlantic Transport.

Minnetonka, N. Y.-London...July 27
Minnehaha, N. Y.-London...Aug. 3

Cunard.

Laconia, Boston-Liverpool...July 23
Mauretania, N. Y.-Liverpool...July 24
Caronia, N. Y.-Liverpool...July 31
Franconia, Boston-Liverpool...Aug. 6

Hamburg-American.

Cleveland, N. Y.-Hamburg...July 25
K. Aug. Victoria, N. Y.-H'm'g...Aug. 1

Holland-America.

Noordam, N. Y.-Rotterdam...July 23
Ryndam, N. Y.-Rotterdam...July 30
Rotterdam, N. Y.-Rotterdam...Aug. 13

Leyland.

Winnifredian, Bos.-Liverpool...July 27
Canadian, Boston-Liverpool...Aug. 3

North German Lloyd.

Kaiser Wil. II, N. Y.-Bremen...July 23
Koenigin Luise, N. Y.-Bremen...July 25
Pr. Fried'h Wil., N. Y.-B'm'n...July 27
Kaiser Wil. derG., N. Y.-B'm'n...July 30

Red Star.

Finland, N. Y.-Antwerp...July 27
Vaderland, N. Y.-Antwerp...Aug. 3

White Star.

Adriatic, N. Y.-Liverpool...July 25
Olympic, N. Y.-Southampton...July 27
Arabic, Boston-Liverpool...July 30
Canopic, Bos.-Mediterranean...Aug. 15

the Clifton Forge Flower & Nursery
Co.

Thompsonville, Conn.—Edward
Lynch has bought out the flower busi-
ness of Charles H. Furey, on South
Main street.

Chicago, Ill.—Canger & Gormley
have leased a store in the Fine Arts
building on Michigan avenue. The
store, 187 North State, will be sold.

Troy, N. Y.—Charles Carson has
sold his interest in the flower store at
464 Fulton street to his partner, H.
Louis Menand, who will continue the
business.

NEW FLOWER STORE.

Alameda, Cal.—Leroux & Van, 1916
Encinal avenue.

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571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Cost of Cabling Foreign Deliveries
Must be Prepaid.

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Deliver orders from any part of the country to

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Flowers shipped on all Steamers. Special Correspondents
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Send flower orders for delivery in Boston
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Your orders for flower or plant deliv-
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In Quality and Design

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342 Boylston St., Boston

Vases, Garden Furniture, Art Goods and
New Designs in Tuscan Baskets for
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H. F. A. Lange

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Delivers to all Points in New England.
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Of Interest to Retail Florists

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosary, 76 Maiden
Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston
St.

Boston—Penn, the Florist, 37-43 Brom-
field St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Philip L. Carbone, 342 Boylston
St.

Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912
Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.

Indianapolis, Ind.—Florists' Telegraph
Deliveries, 241 Massachusetts Ave.

Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Wash-
ington Sq.

New York—George M. Stumpp, 761 Fifth
Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St.
and Madison Ave.

Providence, R. I.—T. J. Johnston & Co.,
171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main
St., West.

Rochester, N. Y.—J. B. Keller & Sons, 25
Clinton Ave., N.

St. Paul—Holm & Olson, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F.
St.

Wellesley, Mass.—Tailby.
Worcester, Mass.—H. F. A. Lange.

PERSONAL.

William Plumb is superintending
the building of some driveways on an
estate in Short Hills, N. J.

Thomas Beattie, foreman for E. S.
Stroud, at Stafford, Pa., fell off a roof
Sunday and broke two of his ribs.

A card from David Welch of Boston
announced his arrival at Queenstown,
Ireland, in best of health and spirits.

Robert Tyson of Convent Station, N.
J., sails for Europe to visit the Bruges
exhibition on the Mauretania, July 23.

Ralph Freeman Arnold, son of Geo.
F. Arnold, florist, of Winchester,
Mass., was married on June 26 to Miss
Evelyn Grace Walker.

Robert Robertson, formerly of Glen
Cove, N. Y., has taken the position
(July 1st) of head gardener to Mr.
Crocker, Fitchburg, Mass.

William Churchill succeeds Robert
Robertson as outside foreman at Penn-
broke, the country estate of Captain
J. R. De Lamar, Glen Cove, N. Y.

Thomas B. Meehan, J. H. Dayton and
Jas. McHutchison, supreme magnates
of the Nurserymen's organization
sailed for Europe on the George Wash-
ington, July 13.

Francis S. Lord of Neponset, Mass.,
foreman in one of the departments of

BOSTON, MASS.

Penn the Florist
the Florist

"Penn, The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET



**WASHINGTON,
D. C.**

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A. LANGE,

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Salter Bros

38 MAIN STREET, WEST.

PROVIDENCE, R. I.

and all **T. J. JOHNSTON & CO.**
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Florists' Refrigerators

Write us for catalogue and Prices, stating size you
require, and for what kind of cut flowers you wish
to use the refrigerator; also state whether you
want it for display or only for storage.

McCray Refrigerator Co.,
353 Lake Street, Kendallville, Ind.

Mention Horticulture when you write.

the A. T. Stearns Lumber Co., died on
July 17 following an automobile ac-
cident in which several were hurt.

C. A. Ouillette is now in charge of
the planting for the nursery depart-
ment of Holm & Olson, 20-24 West 5th
street, St. Paul, Minn. He was for-
merly with the Lakewood Cemetery,
Minneapolis.

William Duckham was in Boston
with the sweet pea enthusiasts on his
birthday, Saturday, July 13. This,
however, did not in the least interfere
with a due celebration of the day.
Many happy returns.

Prof. B. S. Pickett, head of the de-
partment of horticulture at the New
Hampshire College, Durham, N. H.,
has handed in his resignation. He has
accepted the office of an unusually
promising position in the University
of Illinois.

Visitors in Boston last week in-
cluded the live, progressive commercial
and gardening craft from all the prin-
cipal centers in New England, from
New York, Philadelphia, up the Hud-
son and down the New Jersey coast.
They were promised a good and profit-
able time, and we think they had it.

FIELD GROWN CARNATION PLANTS

We have them in all stages. Some ready for delivery July 15th, others will be in good condition in August and September. You can place your order now, and we will ship them when you are ready for them. Complete list and quotations on request.

The Leo Niessen Co.

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N. W. Corner
12th and Race Sts., **PHILADELPHIA**

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FLORIST'S MADE
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Order direct or buy from your local
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BOSTON

Inscriptions, Emblems, etc. Always
in Stock.

POEHLMANN BROS. CO.

Cut Flowers All the Year Round

33-35-37 RANDOLPH STREET,
Greenhouses, Morton Grove, Ill.

CHICAGO

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON July 17	CHICAGO July 9	ST. LOUIS July 16	PHILA. July 16
Am. Beauty, Fancy and Special.....	15.00 to 20.00	20.00 to 25.00	15.00 to 25.00	15.00 to 20.00
" " Extra.....	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00	10.00 to 15.00
" " No. 1.....	6.00 to 8.00	10.00 to 15.00	8.00 to 10.00	8.00 to 10.00
" " Lower grades.....	1.00 to 4.00	4.00 to 8.00	1.00 to 4.00	1.00 to 4.00
Richmond, Fancy and Special.....	5.00 to 6.00	5.00 to 8.00	5.00 to 6.00	5.00 to 6.00
" Lower Grades.....	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00
Killarney, Maryland, Fan, & Spl..	3.00 to 6.00	4.00 to 6.00	3.00 to 6.00	3.00 to 6.00
" " Low. Grades.....	2.25 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
Bride, 'Maid.....	25 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
Taft, Hillingdon, Ward.....	1.00 to 6.00	4.00 to 6.00	3.00 to 5.00	3.00 to 5.00
Kaiserin, Carnot.....	4.00 to 6.00	2.00 to 6.00	3.00 to 5.00	2.00 to 5.00
CARNATIONS, First Quality.....	.75 to 1.50	1.50 to 2.00	1.00 to 1.50	1.50 to 2.00
" Ordinary.....	.25 to .75	1.00 to 1.50	.50 to .75	1.00 to 1.50
MISCELLANEOUS				
Cattleyas.....	to 50.00	20.00 to 40.00	40.00 to 50.00	40.00 to 50.00
Lilies, Longiflorum.....	4.00 to 8.00	4.00 to 8.00	6.00 to 8.00	6.00 to 8.00
Lily of the Valley.....	2.00 to 3.00	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Asters.....	.50 to .75	to	to	.75 to 1.00
Gladioli.....	2.00 to 3.00	3.00 to 5.00	4.00 to 6.00	3.00 to 6.00
Snapdragon.....	to 3.00	3.00 to 6.00	3.00 to 4.00	to
Mignonette.....	1.00 to 2.00	to	3.00 to 4.00	to
Daisies.....	.50 to 1.00	.50 to 1.50	.25 to .35	to
Sweet Peas.....	.15 to .50	.50 to 1.00	.10 to .25	.35 to .50
Gardenias.....	8.00 to 10.00	to	to	to
Adiantum.....	1.00 to 1.50	to .75	1.00 to 1.25	1.00 to 1.50
Smilax.....	8.00 to 12.00	15.00 to 20.00	12.00 to 15.00	12.00 to 15.00
Asparagus, Plumosus, Strings (100)	50.00 to 50.00	50.00 to 75.00	35.00 to 50.00	35.00 to 50.00
" " & Spreng. (100 bchs.)	25.00 to 50.00	25.00 to 50.00	15.00 to 25.00	35.00 to 50.00

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82-84-86 E. Randolph St., Chicago

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HEADQUARTERS FOR GREENS
Galax (green and bronze), \$1.50 per 1000; \$7.50 per 10,000.
Leucothoe Sprays (bronze), \$1.00 per 100; \$9.00 per 1,000.
Green Sheet Moss: \$3.50 per bag.
Sphagnum Moss: ten bbl. bales, burlapped, per bale, \$4.00; 5 bale lots, \$3.75 per bale; 10 bale lots, \$3.50 per bale; 25 bale lots, \$3.25 per bale.
Dagger Ferns, extra fine selected stock, \$2.00 per 1,000.

RIBBONS AND SUPPLIES. Many new patterns in exclusive Ribbons. Write us for prices on these and on Supplies.
During July and August we will close at 5 P. M.

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PHILADELPHIA NEW YORK WASHINGTON
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Flower Market Reports

BOSTON As elsewhere, Boston has been struggling since July came in with a surfeit of flowers and a famine on buyers. Buyers are not very plenty yet but there is a drop in the supply and things move less clumsily. Carnations are scarcer and of miserable quality. Short roses are in abundance; good ones seldom seen. Asters are coming in plentifully and of fair quality. Gladioli are not a factor yet in this market. Sweet peas plentiful enough but soft and shortlived on account of damp weather, whites especially. There is a little better call for lilies.

BUFFALO Only a slight improvement in market conditions during last week, the receipts being heavy and business practically at a standstill. Carnations continued to fill the market, also roses. Asters have made their appearance, though only in light shipments, the stem being short and can only be used for floral work. The severe hot weather has caused a shortage in sweet peas and there is only one-half of the supply we had a week previous. Lilies have moved up with a little better demand. Other stock in normal supply.

CHICAGO Stock moved rapidly this week—by the garbage route—and slowly by the more profitable ways. A few days of almost intolerable weather brought stock to the market in poor condition for shipping and local demand was almost at a standstill. On July 15th the extreme heat suddenly changed to a low temperature and trade picked up using up what good stock was to be had and the little flurry was very acceptable to the trade. Carnations have, perhaps, suffered the most and sleepy flowers are more plentiful than fresh ones, but the fact remains that there are some very fair carnations to be had for July. Peonies still come from the storage houses with a fair proportion in good condition and bring

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI June 4		DETROIT June 11		BUFFALO July 16		PITTSBURG July 16	
Am. Beauty, Fancy and Special....	25.00	to 35.00	25.00	to 30.00	15.00	to 20.00	20.00	to 25.00
" Extra.....	15.00	to 20.00	20.00	to 25.00	10.00	to 15.00	15.00	to 18.00
" No. 1.....	12.50	to 15.00	15.00	to 20.00	6.00	to 10.00	10.00	to 12.00
" Lower grades.....	2.00	to 8.00	5.00	to 12.00	2.00	to 4.00	2.00	to 4.00
Richmond, Fancy and Special.....	6.00	to 8.00	6.00	to 8.00	4.00	to 6.00	6.00	to 8.00
Lower Grades.....	2.00	to 4.00	4.00	to 6.00	3.00	to 4.00	3.00	to 4.00
Killarney, Maryland, Fan. & Spl.	6.00	to 8.00	6.00	to 8.00	5.00	to 6.00	6.00	to 8.00
Low. Grades.....	2.00	to 4.00	4.00	to 6.00	3.00	to 4.00	2.00	to 4.00
Bride, 'Maid.....	2.00	to 6.00	4.00	to 8.00	2.00	to 6.00	2.00	to 6.00
Taft, Hillingdon, Ward.....	4.00	to 6.00	4.00	to 6.00	3.00	to 4.00	4.00	to 6.00
Kaiserin, Carnot.....	4.00	to 6.00	4.00	to 6.00	3.00	to 4.00	2.00	to 4.00
CARNATIONS, First Quality								
Ordinary	1.00	to 1.50	1.00	to 2.00	.75	to 1.00	1.00	to 1.50
MISCELLANEOUS								
Cattleyas.....	50.00	to 60.00	40.00	to 50.00	40.00	to 50.00	40.00	to 50.00
Lilies, Longiflorum.....	10.00	to 12.50	12.50	to 15.00	7.00	to 10.00	10.00	to 12.50
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Asters.....	.....	to .....	.....	to	1.00	to 2.00	.50	to 1.00
Gladioli.....	.....	to .....	.....	to	1.00	to 2.00	.50	to 1.00
Snagdragon.....	1.00	to 2.00	3.00	to 8.00	4.00	to 5.00	4.00	to 8.00
Mignonette.....	4.00	to 5.00	3.00	to 4.00	.....	to .....	.....	to
Daisies.....	.....	to .....	.50	to .75	.....	to .....	.....	to 1.00
Sweet Peas.....	.25	to .60	.50	to .75	.25	to .50	.50	to 1.00
Gardenias.....	.....	to .....	.....	to 25.00	.....	to .....	.....	to
Adiantum.....	1.00	to 1.25	1.00	to 1.50	.50	to 1.50	1.00	to 1.25
Smilax.....	12.50	to 15.00	12.50	to 15.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, Strings (100).....	35.00	to 50.00	20.00	to 30.00	40.00	to 50.00	.....	to 25.00
" " & Spren. (100 bchs.).....	25.00	to 35.00	20.00	to 30.00	25.00	to 35.00	30.00	to 50.00

a satisfactory price. On roses, sales are made by the lot and a little money buys many. Quantities of field daisies are coming in. Gladioli of all varieties, some good and some good for nothing, are filling the counters. The usual miscellaneous summer flowers are to be had and green seems more abundant than can be used. Some very fair Beauties are seen and several varieties of lilies, good stock but slow sales.

The market is in its usual early summer condition. The carnations are going out and asters are just beginning to come in. Neither is a very important factor right now. Roses are the one flower that is good and in more than a sufficient quantity. Others are either inadequate in amount or of poor quality. The gladioli, particularly the large varieties, are fine and for the past fortnight have been snapped up quickly. The sweet pea season is about at an end. While it lasted the average quality of the blooms and stems was very high; in fact, better than the usual run of out of door blooms of other years. Some very fine giganteum and auratum lilies

are included in the offerings. Indications are that the cut of the former will soon shorten considerably.

DETROIT Regular mid-summer conditions are prevailing with very little business on hand and stock plentiful but of very poor quality. The rank and file of steady workers is more or less broken through vacations. Prices for flowers are so unstable as to be beyond quotation possibilities. Gladioli are coming in very good. Lilies are plentiful, all kinds.

PHILADELPHIA Half the people are at the seashore, the other half are at the mountains; but the flowers keep on blooming just the same. If some nobody gives a reception, meantime, there are enough flowers in the backyard. Even the mortuary channel seems to be down to the lowest ebb. There's neither life nor death in the market. It is the usual summer dullness—only more so than usual. If it were not fear of a protest from Judge Hoitt we would

(Continued on page 94)

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NEW YORK QUOTATIONS PER 100 To Dealers Only			
ROSES AND CARNATIONS		Last Half of Week ending July 13 1912	First Half of Week beginning July 15 1912
American Beauty, Fancy and Special.....	6.00 to 20.00	6.00 to 20.00	6.00 to 20.00
" " Extra.....	3.00 to 5.00	4.00 to 6.00	4.00 to 6.00
" " No. 1.....	1.00 to 3.00	2.00 to 5.00	2.00 to 5.00
" " Lower Grades.....	.50 to .50	.50 to .50	.50 to .50
Richmond, Chateaufort, Extra and Special.....	2.00 to 3.00	2.00 to 4.00	2.00 to 4.00
Lower Grades.....	.25 to 1.00	.25 to 1.00	.25 to 1.00
Killarney, My Maryland, Extra and Special.....	2.00 to 3.00	1.00 to 4.00	1.00 to 4.00
Lower Grades.....	.25 to 1.00	.25 to 1.00	.25 to 1.00
Bride, 'Maid.....	.25 to 3.00	.25 to 3.00	.25 to 3.00
Taft, Hillingdon, Ward.....	.25 to 5.00	.50 to 4.00	.50 to 4.00
Kaiserin, Carnot.....	.25 to 5.00	.50 to 4.00	.50 to 4.00
Carnations, First Quality.....	.75 to 1.50	1.00 to 2.00	1.00 to 2.00
Ordinary.....	.25 to .50	.50 to 1.00	.50 to 1.00

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 Telephone 7062 Madison

Telephone 3860 Madison Square
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Plantsmen and Florists
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 For sale by dealers

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FANCY and DAGGER
 Galax, Boxwood, Laurel
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BOSTON'S BEST
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SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street, Boston, Mass.

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

Flower Market Reports

(Continued from page 93)

be tempted to say that the people are so discouragingly healthy they refuse to die to give life to the florist business. Under such distressing circumstances it would appear to be the best thing for all of them to turn the key in the door and stay home. Longiflorum lilies are very good and very plentiful. Outside gladioli are now very much in evidence. Too many reds and too many muddy colors and poorly done. Why do growers waste their space and time on anything but the best? Local Beauty roses are about done. Another week will finish them. There are good Maryland. As-ters are in evidence and good but not so many as might have been expected. Carnations are getting scarce and of course the quality has kept pace in retrogression. This market report will be the death of me yet. Wish the editor would cut the feature out for a few months. It is martyrdom to a cheerful spirit to wallow in weeps. Couldn't we forget it for a while and nobody be the worse?

NEW YORK There has been a distinct falling off in the quality of stocks this week, roses especially being of a miserable description—with the exception of Marylands which have just passed muster. Large quantities of Lilies have been dumped while lily of the valley and gladioli have been well able to keep up with the weak demand. The recent rains have done a power of good to outdoor stuff and asters are now coming in with a rush.

WASHINGTON Sunday night last was visited by one of the worst storms in years. About 2½ inches of rainfall was recorded although in some of the low places the water accumulated to a depth of five feet. Much damage was done to the outdoor stock and many of the houses will require minor repairs as a result of the storm. Flowers of all kinds are plentiful but the quality is poor and the demand is still worse. The local temperature has been upward of 93° for the past ten days which is not conducive to large sales of cut flowers. Funeral work, however, has kept the stores quite busy.

ST. LOUIS Of late on some days the demand is quite heavy and others very slow and fluctuations in prices are almost daily. Taking the quality of the stock into consideration it's not worth much and especially so with roses and

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending July 13 1912		First Half of Week beginning July 15 1912	
Cattleyas	12.00	to 35.00	15.00	to 35.00
Dendrobium formosum	20.00	to 25.00	20.00	to 25.00
Lilies, Longiflorum	1.00	to 3.00	1.00	to 3.00
" Speciosum	1.00	to 3.00	1.00	to 3.00
Lily of the Valley	1.00	to 3.00	1.00	to 3.00
Asters .....	.....	to .....	.....	to
Gladioli	3.00	to 6.00	3.00	to 6.00
Snazdragon	1.00	to 3.00	1.00	to 3.00
Daisies .....	.50	to 1.00	.50	to 1.00
Sweet Peas (per 100 bunches)	1.00	to 3.00	1.00	to 3.00
Gardenias	10.00	to 25.00	10.00	to 25.00
Adiantum .....	.50	to .75	.50	to .75
Smilax	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings .....	.....	to 35.00	.....	to 40.00
" " & Spreng. (100 bunches)	10.00	to 16.00	10.00	to 16.00

carnations. The great lot of sweet peas that come in now must be sold the same day and the price is put at \$1.50 per 1,000 in order to clean up. Gladioli are lower but extra stock of America runs \$6 to \$8 per 100. Great quantities of asters and single tube-rose stalks are soon expected to swell the market. We have had enough good rain lately to put all out-door stock in splendid condition.

NEW YORK NOTES.

W. A. Hanft, late of Young & Nungesser, is now in business for himself at 54 W. 28th St.

George G. Stumpp, of Barclay St., is now at the Catskills with family for a month's relaxation.

John Kral, of Moore, Hentz & Nash, is on three weeks' vacation, motor boating around Port Chester, N. Y.

The store of N. J. Hills was completely burned out on Thursday night, last. He was not insured, but as he says it might have happened at a more inconvenient time. The store will be in working order again next week.

George Scott, manager for the John Scott greenhouses of Brooklyn, reports a better than average season and is about cleared out. Stocks coming on for fall look promising—especially fine are Pandanus Veitchii and the Dracaenas. J. H. Fraser, who left after several years with this firm, is back again, and takes up the position of foreman.

Clinton, Mass.—Edward W. Breed, who recently sold his florist business, is now devoting his attention to the landscape and nursery departments in which he has been engaged for several years, with offices in Worcester and Clinton, Mass., and a nursery at Lancaster. A. P. Meredith, the purchaser of the florist department retains former employees of Mr. Breed and with his son the new firm of A. P. Meredith & Son starts out under favorable auspices.

Philadelphia visitors: Paul Lindley, Greensboro, N. C.; H. L. Holmes, Harrisburg, Pa.; W. F. Gude, Ernest Gude, Greenville Gude, Washington, D. C.; Phil Breitmeyer, Detroit, Mich.

M. Rice & Co. tell us they are receiving on almost every incoming steamer, new and classy novelties, and that the trade can look forward to seeing the greatest line of goods ever shown by this enterprising house. They have an absolutely new adjustable waterproof ribbon and shields that all florists will be interested in.

THE Florists' Supply House of America

H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.

CHINESE PRIMROSES

VERY BEST STRAIN. 2½ in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rates. ASPARAGUS PLUMOSUS for planting out. Extra heavy, 3 in., \$6.00 per 100; \$55.00 per 1000.

Cash with Order

FRANK OECHSLIN

4911 W. Quincy St., CHICAGO, ILL.

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WHOLESALE COMMISSION FLORISTS

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Hardy Fancy Fern Our Specialty

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Alternantheras, two kinds red, one yellow; fine bushy plants, 2 inch pots and excellent colored. Henry Krinke & Son, St. Paul, Minn.

AQUATICS

Water Lilies. The beautiful, large, deep pink tender *Nymphaea Devonensis* and the beautiful, large white *Nymphaea dentata*, only \$1.00 each; regular price, \$2.50 each. For fountains, ponds and lakes. Extra fine, strong, healthy plants. Send orders at once to be booked for shipment while they last. Franklin Barrett, Olney P. O., Philadelphia.

To Close for Cleaning Pool, 20% for Cash With Order.

Water hyacinths, the oddest, most beautiful and valuable plants; extra strong, in the finest condition; \$5.00—100, \$35.00—1000; second grade, \$3.00—100, \$18.00—1000. Blooming water hyacinths make leaders at 25c. retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

ARAUCARIAS.

Godfrey Aschmann, Philadelphia, Pa.
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ASPARAGUS

Asparagus Plumosus Nanus seedlings. Have your order booked for August delivery, any amount. Peter Mack, Box 172, Orlando, Fla.

5000 strong 3-in Asparagus plumosus, \$50.00 per 1000; \$6.00 per 100. Erdman & Ulrich, Belair Road, Baltimore, Md.

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Cold Storage Lilies.

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Ralph M. Ward & Co., 71 Murray St., New York.
Horseshoe Brand Lilies.

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James Vick's Sons, Rochester, N. Y.
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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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Bulbs of all descriptions. Write for prices. C. Keur & Sons, Hillegom, Holland.
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Cape Jasmine, fine cuttings, 8 inch and over, ready for rooting; 100 \$1.00, 1000 \$8.00, prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

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Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

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Elmer D. Smith & Co., Adrian, Mich.
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Chrysanthemum Maj. Bonnafon, strong, healthy and well rooted, \$15.00 per 1000. Cash. W. B. Garvin, Leola, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANTHEMUMS (Rooted Cuttings)

500 Mrs. D. Syme, 1000 Smith's Advance, \$2.50 per 100. 500 each Tousey, Alice Byron, Ivory, Donatella, Yellow Jones, 2500 Robt. Halliday, Mrs. Hurley and Baby, 3000 J. Rosette, \$15.00 per 1000. Cash with order.

William Swayne, Kennett Square, Pa.

CHRYSANTHEMUM, THE. By A. Herrington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 160 pages. Price 50 cents.

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Cyclamen, the finest strain money can buy, 3, 3½, 4 and 5-in. pots, \$10.00, \$15.00, \$20.00 and \$25.00 per 100. Cash with order. William Hoffman, Pawtucket, R. I.

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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

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Yellow daisies. Rooted cuttings, \$3.00 per 100, \$18.00 per 1000; out of 2¼-in. pots, \$4.00 per 100, \$35.00 per 1000. Satisfaction guaranteed. Cash with order.

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- McHutchison & Co., New York, N. Y.**
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GERANIUMS

- R. Vincent, Jr. & Sons Co., White Marsh, Maryland.**
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- 500 Geraniums, Nutt, Ricard, Poltevine and Buchner, \$50.00 per 1000, out of 3 1/2 inch pots, packed to ship anywhere. Cash. Tomlinson, King Street, Dorchester, Mass.**

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- English Ivy, strong, at \$8.00 and \$12.00 per 100. C. Winterich, Defiance, O.**

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R. M. Ward & Co., New York, N. Y.
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Unrooted *Alexandra marguerites*, \$1.00 per 100. Winter flowering yellow marguerites, the right kind: unrooted, \$2.00 per 100; rooted, \$4.00 per 100. Cash. **A. E. Monroe, Wellesley Farms, Mass.**

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P. Hamilton Goodsell, New York, N. Y.
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Fairfield Landscape & Nursery Co., New York, N. Y.
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Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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John De Buck, New York, N. Y.
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Orchid Plants, fresh importations, best commercial varieties, reasonable price. **John De Buck, care of Maltus & Ware, 14 Stone St., New York City.**

ORCHID PLANTS—Continued

ORCHID GROWERS' MANUAL.
By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and Orchid Culture ever published. Price \$10.00.

Orders filled by **HORTICULTURE, 11 Hamilton Place, Boston.**

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. **Crosby & Son, Catonsville, Baltimore, Md.**

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PEONIES.

Peonies. The world's greatest collection, 1200 sorts. Send for list. **C. Betscher Canal Dover, O.**

Peonies—The best French collections. Catalogues free. Dessert, Peony Specialist, **Chenonceaux, France.**

PLANT AND BULB IMPORTS.

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Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

Plant Trellises and Stakes. **P. A. Angier & Co., Westboro, Mass.**

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"Riverton Special."

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Poinsettias, 2½-in., none better, \$5.00 per 100, 250 for \$10.00. Cash with order. **W. Stertzling, 7280 Manchester Rd., St. Louis, Mo.**

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp. \$1.25 by mail. **I. N. Kramer & Sons, Cedar Rapids, Iowa.**

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Asparagus Plumosus Nanus seeds now ready, per 1000, \$2.25; lots up to 5000, \$2.00 per 1000. Peter Mack, Box 172, Orlando, Fla.

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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

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Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

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CELERY AND CABBAGE PLANTS—300,000 Golden Self-Blanching White Plume and Pascal plants, 4 and 5 in. high. 100,000 cabbage, ready for field, leading varieties. Let me know your wants and I will quote you special low prices. W. C. Lester, wholesale grower, Plainville, Conn.

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100,000 strong, transplanted, in five best varieties, \$3.00 per 1000. Cash with order. BRYN MAWR FLORIST, YONKERS, N. Y. Tel. 1083.

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A NEW VOLUME

Vol. 16 of HORTICULTURE began three weeks ago. Now is a good time to subscribe. If you are not already on our subscription list, send \$1.00 for the coming year, or 50 cents to January 1, 1913.

We do not need to dilate on HORTICULTURE'S worth. It's contents are sufficient evidence. The recognition it is constantly receiving in new subscribers shows the strong hold it has gained in the esteem and good will of the horticultural profession.

Send in Your Name

In writing to Advertisers kindly mention Horticulture

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CINCINNATI PERSONAL NOTES.

Chas. Garvey is in Indianapolis for a few weeks.

Mrs. P. J. Olinger and children have gone to Evanston, Ill., for the summer.

Miss Margaret Anstead, of E. G. Gillett's, started on her vacation this week.

Miss Christine Bossmeyer has been enjoying her vacation for the past few weeks.

Visitors: Harry Balsley of Detroit, Mich.; Fred Lautenschlager of Chicago, Ill.

C. E. Critchell spent Thursday at The Spotless Town Bungalow on the Little Miami.

Among the Cincinnatians who have signified their intention of going to the convention are A. C. Heckman, Jr., C. E. Critchell; E. G. Gillett, Ed. Schumann, Al Horning, Miss Ada Kreskin and Lawrence Kreskin and Miss Mae Carroll.

THE GARDENER'S SONG.

(Henry Edward Warner in Baltimore Evening Sun.)

Come on, Sun, and shine
On this garden of mine!

Come on, Rain, and sprinkle it, too!
Come on, Night, and rest it—
For hot days may best it;

Come on, O beneficent Dew!

Come on, all ye elements, kiss them and love

The things in my garden all growing!
Come sprinkle, O Rain, wondrous fount
from above,

And coax the new life, barely showing!

Come on, Wind, and blow—

For the breezes, you know,
Must freshen when gardens would droop;

Come on, Friends, and cheer me—

Come, ever be near me,
O merry, O rollicking troupe!

For mine is the Garden, and mine is the care

And yours is to shiue, rain and blow;
And I turn the soil—and you things of the air

Shall coax my young garden to grow!

Come on, Sun, and shine

On this garden of mine!

Come on, Rain, and sprinkle it, too!

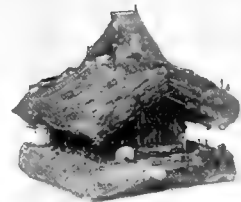
Come on, Night, and rest it

For hot days may best it;

Come on, O beneficent Dew!

An illustrated lecture was given in the town hall of Avon, Conn., on the evening of the 11th by Mr. J. Patterson, superintendent of the A. M. Dodge estate at Simsbury. The subject was "Floral Emblems of Various Countries, Their Origin and History." It was Flora's night at the grange and the stage was tastefully decorated with flowers and there was an appreciative audience. Mr. Patterson is a well known authority on horticulture, and the garden at Wanakawin is considered one of the best in the state. The owner, Mrs. A. M. Dodge, is a great enthusiast on flowers and each

Bring Back the Birds



While you are working out your ideal in the garden, why not provide a home for the birds that help to make life in the country really worth while? A rustic house placed in a tree or on a pole will make an excellent home for the birds and add to the attractiveness of the surroundings. We have them in all sizes and shapes to suit any style of architecture.

LOG CABIN NO. 1	10 Inches Wide	\$1.50
One-Family	10 Inches High	
LOG CABIN NO. 2	10 Inches Wide	\$2.50
Two-Family	14 Inches Deep	
LOG CABIN NO. 3	14 Inches Wide	\$3.50
Two-Family	12 Inches High	
	17 Inches Deep	

Stumpp & Walter Co.

50 Barclay Street - New York City

HELP WANTED.

WANTED

Grower of Hardy Perennials

Man who understands their propagation and growing in a large way. Must have had commercial experience and be capable of handling men. Apply to

R. & J. FARQUHAR & CO.

6 South Market St., Boston

WANTED A good, all-around nurseryman. Married man preferred. Must be familiar with ornamentals and fruits; be capable of handling orders and handle large bunch of men. Only a man who would consider the interests of his employer will be considered. Permanent position to the right person. A good cottage, fire-wood and ground for garden furnished. State salary, experience and give full references in first letter. P. J. BERCKMANS COMPANY, Box 1070, Augusta, Ga.

SITUATIONS WANTED

GARDENER and Florist, three years' general experience; one in America, two in old country. Single, sober, reliable. AX, care HORTICULTURE.

FOR SALE

FOR SALE—Ford top delivery car; been used. Good bargain. Chas. Millang, 57 West Twenty-sixth Street, New York City.

FOR SALE—Second hand flange; valves, from 2 to 6 in., in good condition, also a low-pressure steam pump. D. Iliffe, 256 Franklin St., Boston, Mass.

FOR SALE—Fresh from factory, now; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE Office and two connecting greenhouses, one acre rich productive land, corner two streets. Good location for wholesale or retail trade. Owner has other business. L. E. Bennett, Wakefield, Mass.

year opens her grounds to the general public. A visit to that garden would be an object lesson in horticulture and a glimpse of the newest ideas in the gardening world.

LEMON OIL CO'S STANDARD INSECTICIDE

Guaranteed under the Insecticide Act, 1910. Serial No. 321

Save your plants and trees. Here is an insecticide that will positively destroy all insects—Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

½ Pint - - 25c; Pint - - 40c; Quart - - 75c
½ Gallon, \$1.25; Gallon, \$2.00; 5 Gallon Can, \$9
10 Gallon Can - - \$17.50

Dilute with water 30 to 50 parts

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct

Lemon Oil Company Dept. K
420 W. Lexington St., Baltimore, Md.
Directions on every package

Cocoanut Fibre Soil

Put on thin will be all you need for a green lawn. Sow new grass seed with the soil. One ton for 1,200 square feet.

20th CENTURY PLANT FOOD CO.,
27 & 29 Ocean St., Beverly Mass.

POULTRY and FRUIT REVIEW

A publication on the farm journal that reviews all poultry and fruit papers in United States, will be sent on trial one year to all who send 16 cents, to pay wrapping and postage, and names of three fruit or poultry raisers.

THE REX COMPANY
HARRISBURG, PA.

Do You Know What You Want?

Look in the "Buyers' Directory" of this issue and you will probably find represented there somebody who can supply you. It's a good plan to look it over every week, for the weekly changes and additions are many.

See ?

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Unrivalled for all floricultural and horticultural purposes.

GENUINE PLANT FOOD

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To-Bak-Ine Kills Bugs

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The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs. \$1.00 100 lbs. \$4.00 1000 lbs. \$27.00
50 lbs. \$2.00 200 lbs. \$8.00 2000 lbs. \$52.00

Stumpp & Walter Co
50 Barclay St., New York



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Bug Killer and
Bloom Saver**

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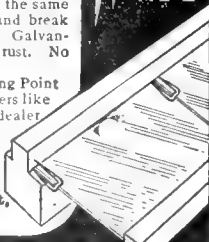
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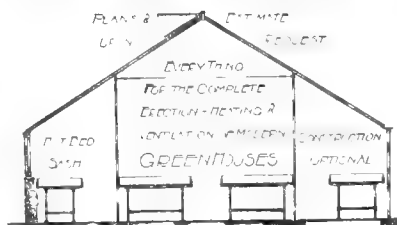
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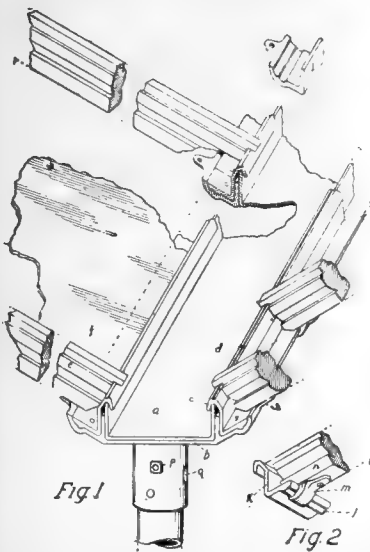
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IRON GUTTER



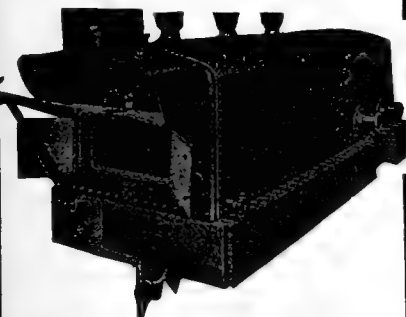
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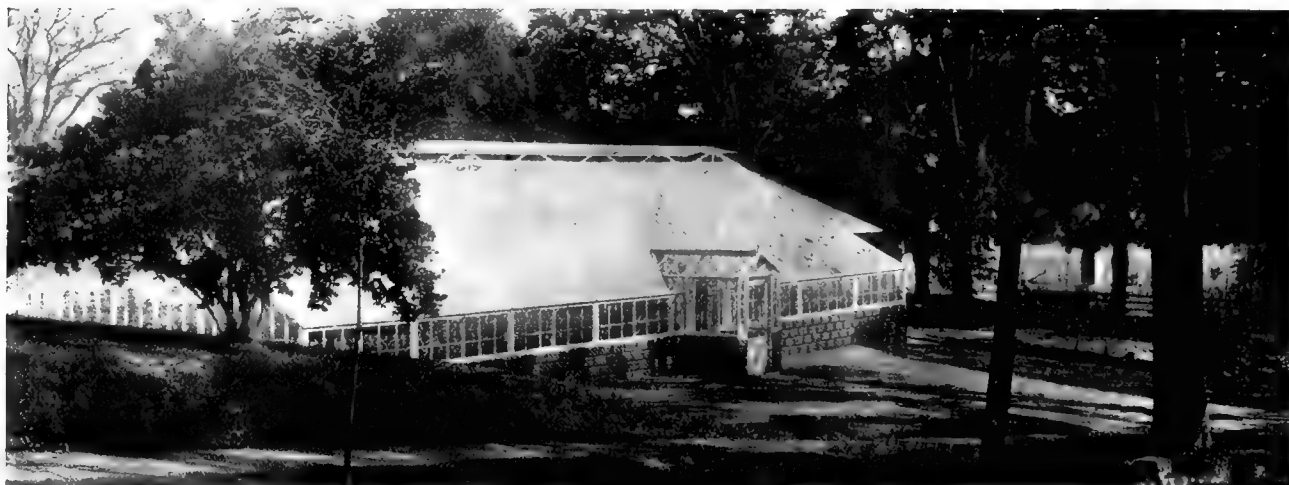
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HORTICULTURE

Vol. XVI.

JULY 27, 1912

No. 4



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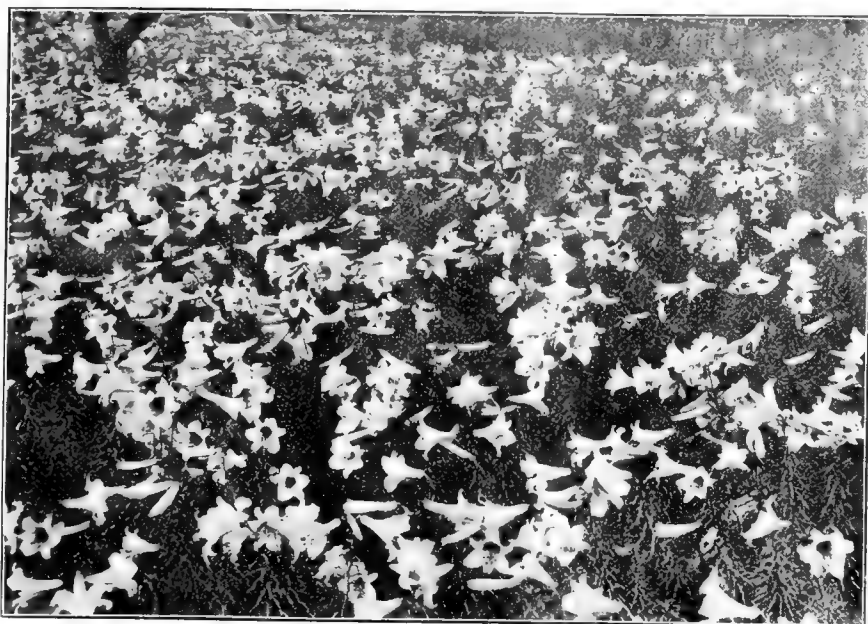
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THE BAY STATE NURSERIES,

North Abington, Mass.

Lilium myriophyllum

The many visitors to the delightful exhibition of sweet peas, recently held in the Massachusetts Horticultural Society's Hall under the auspices of the National Society devoted to this flower, had an opportunity of seeing and passing judgment upon this new introduction from China. Messrs. Farquhar staged a magnificent exhibit consisting of about two hundred stems in a setting of Kentias, the whole nicely filling the lecture platform. The Massachusetts Horticultural Society recognized the display by awarding it a gold medal, the society's highest distinction. The representative horticultural gathering present was of the opinion that the honor was well-earned and judiciously bestowed. The display itself and the encomiums unstintedly expressed were a gratifying reward to one who was privileged to discover and introduce this fine addition to a world-wide appreciated and beautiful family. I first met with it in 1903 and the year following sent a few hundred bulbs to Messrs. Veitch who in due course distributed them. Later under the auspices of the Arnold Arboretum, I collected a large consignment expressly for Messrs. R. & J. Farquhar & Co. of Boston. That it has proved so eminently successful to cultivation hereabouts is a source of profound satisfaction to all concerned in its introduction. Had my efforts in China resulted in nothing beyond this lily I should not have labored in vain.



LILIUM MYRIOPHYLLUM

plied when planting or as a top-dressing. Dung I do not recommend unless it be that from an old, spent hot-bed which is good as a top dressing or mulch for nearly everything. Peat is deadly; artificial fertilizers unnecessary and highly dangerous.

III. Its constitution is most vigorous and free from disease. The same bulbs which yielded the exhibit withstood the severe drought of 1911 and showed no distress during the dry spell of June last. No water was given them during either season. (The accompanying illustration from a photograph taken on July 11th last, shows what a portion of the field looked like on that date.)

IV. The flowers are of pleasing color. The outside is more or less suffused with red-purple becoming paler as the flowers expand, but very rarely is it entirely absent. The inside of the tube for two-thirds its length is flushed with clear canary-yellow. The mouth is of the purest white. Sometimes the outside coloring is reflected through giving a delicate rose-tinted flush to the interior. The anthers are golden-yellow and add much to the beauty of the flower.

V. The flowers cut last a week to ten days in a room diffusing a delicate fragrance which is pleasant and not over-poweringly strong as is the case with many lilies.

VI. Lastly, it forces admirably without losing any of its charms as all who saw the blooms at Messrs. Farquhar's Italian Garden exhibition in March last will allow. Personally I believe it may become the Easter Lily of the future but there is no need to enlarge upon this subject.

The plant grows 1½ to 4 feet tall (usually averaging 2½ to 3 feet), the stems being very densely crowded (hence the name—*myriophyllum*) with narrow 1-nerved, gracefully decurved leaves, each 2 to 5 inches long and generally roughish along the mid-rib below. The flowers vary in number from one to seven or even more on rare occasions, are 5 to 6½ inches long and horizontally disposed from the summit of the stem. Its elegant foliage adds much distinction to the plant whilst the yellow

In HORTICULTURE, Jan. 22, 1910 (p. 106), I made the following statement, "*the writer inclines towards L. myriophyllum and believes it the finest hardy tubular-flowered Lily extant.*" This I hold to more strongly than ever and am happy in the knowledge that competent judges have also arrived at this same opinion. It possesses all the qualities necessary in a first-class plant of its kind. Let us take them seriatim:

I. It is perfectly hardy even here in Massachusetts. The flowers on exhibition were cut from open-ground, the bulbs having been planted last fall. They passed through the winter quite unprotected and were unscathed in spite of the bleak situation they occupied. Never a bulb of the several thousands planted failed to produce its flowering stem in due season.

II. It is of easy culture requiring no attention whatsoever beyond weeding. The stems though slender are rigid and wire-like and no stakes are needed. Being a stem-rooting lily the bulbs should be covered to a depth of 6 to 8 inches. Good, mellow loam and a well-drained sub-soil are the essentials for its successful culture. Well-decayed leaf-soil is good for all lilies and may be ap-

FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Requisite Damping

The determination of the amount of moisture required in the various houses is no small factor towards ultimate success. This with 101 other things which all come under the same head cannot be set down in black and white with a stated amount for certain periods of growth or for a certain length of time—not even with two houses growing the same kind of fruits. These two houses may be located in different sections and each will have some little peculiarities, all its own. There are houses which lie damp; others are the reverse. Heating mains will sometimes account for this, elevation at other times is responsible and the drainage of the houses themselves will also furnish variation. The quantity of heating pipes, too, will have something to say in the matter. Through the summer time, when not in use so often, a house containing a quantity of heating pipes is going to be dryer than one that has only half the number providing other conditions are the same because the pipes themselves will attract so much more sunheat.

Fruit houses claim an additional thought on the moisture problem as they do on the temperature. The variation is greater than the majority of plant houses—from a humidity of the tropics down to fire heat to keep the atmosphere as dry as possible—this all in one year. The one extreme we find when trying to persuade trees to break, and at times up to the flowering period, the other with fruit ripe and efforts being made to keep it in a good condition. As no set rule can be laid down each house must become a study—the nasal organ playing a prominent part. At this time of year, where in some instances the fires are stopped off for the summer months, no houses will need the usual damping at quitting time, unless it happens to be a hot and dry day. Inclement atmospheric conditions for a whole day will almost debar inside damping. This and the fire heat must always be taken into consideration and the scale fixed on it.

Timing

This may not be a very appropriate time to discuss the timing of crops. The spring is when one looks to it more, yet not a week passes but what some seeds are sown or some trees started so it is really an "evergreen" subject. The winter vegetables will soon be engaging our attention. In every instance when making the sowing we have to figure when that crop will be in under ordinary conditions; successions have to be made, crops edged so that all do not mature at once. What time and

profit would be lost if forethought were not utilized! Forethought sees a house today, cleaned and planted up with partly grown plants out of pots tomorrow. The gardener who has only a certain season to provide for or one in which most is expected must so arrange his crops so as to be within the required time. Special occasions call for an extra amount of produce. This is where one has to do some tall thinking. 'Tis true a week can be drawn on or off but a right start beats all. Houses started the same time each year should ripen about the same date under ordinary cultivation. A hurry-up order on a half-developed crop will be apt to put the usual routine out of commission. Here is where the advantage of reference boards come in, which have been referred to previously. By keeping them correctly entered up you can see exactly how the crop stands with other years and figure with a greater degree of certainty on the date of ripening.

Mulching

This subject was dealt with in issue of May 25th at which time probably only a light mulch was given to late vines, the crop at that time being young. This will have worn away with successive waterings and should be augmented by an addition of half decayed cow manure. Do not mulch to excess or the border will seldom dry out. Use the necessary precautions when applying it as detailed in issue of May 25th.

Figs

Continue to give figs all the attention needed to produce the late crop. Nearly a repetition of preceding events—the house perchance will not want closing down in the afternoon, as the early crops did; in fact it is wise to gradually harden the trees until they stand full air at all times. The fruit of this last crop will not be so elegant in size as its predecessors, yet the flavor will be quite equal. Keep a wary eye open for thrips or red spider and do not let the foliage become crowded. Use the usual stopping method and give the trees liberal feeding. Figs relish green manures. Small trees in pots or tubs can be transferred to the open tubs. If these have been growing in any partially shaded position, they should be shaded through the hottest hours of the day until they become hardened to the sun. For a time they will dry out frequently, the additional air being the chief cause of this. Look all such trees over at least three times daily until they are accustomed to their new surroundings and atmospheric conditions.

anthers give a pleasing charm of gaiety to the flowers. When looking intently on this lily it would seem to say, "I am a joyous sun child, glorying in my beauty and vigor. Your winter frosts and droughts I laugh to scorn, but I like your country and intend to stay and colonize. I care not if churls call me vain or egotistical. My beauty is more than skin deep and who sees me wishes to possess me. I am no fickle jade or whim of fashion but a blushing beauty constant to my deity, the sun; a mountain child carried from my wild home some half a world away, yet I do not repine since now a wider

field is mine in which to accomplish my work of spreading joy and happiness among you all."

E. H. Wilson

NOTE.—This is the name by which this Lily is generally known and under which it is figured in the Botanical Magazine (t. 8102), but it is very doubtful if this is the plant so-named by Monsieur Franchet in Journ. de Bot., VI., p. 313. If these doubts are ultimately substantiated, a new name will be necessary and in that case I propose that it be called *Lilium regale*.—E. H. W.

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Adiantums

Where you have some benches of this valuable green that have been cut down a good deal it would be wise to give them a rest as the market for adiantum fronds is now at a low ebb. Now is the time to renew root action to induce an abundance of fine fronds late in the fall. Cut away all the top growth and dry them off somewhat until they show new growth. After they are fairly well dried off scrape off all the old soil you can remove without breaking too many roots. Mix up a good mulch of cow manure and loam in about equal parts and renew to the depth of two or three inches. They then should have a thorough watering, with a spraying two or three times a day, until the fronds are well started. When the fronds have made good growth they should be given liquid manure feeding regularly once a week to give rich green color. See that they have sufficient shade to keep the fronds dark green. Where they are bothered with snails lay bait in the way of lettuce leaves or slices of some root crop; these can be examined two or three times a day and the snails destroyed.

Callas

Callas that have had a rest of 6 to 7 weeks, lying on their sides, should now have attention. The tubers can be shaken out and repotted now anytime, the sooner the better. Do not use any diseased or decayed tubers. For a compost give them a generous mixture as they are very rank feeders. To two parts of fibrous loam, use one part of well-dried cow manure and a good sprinkling of bone meal. For commercial purposes 6, 7 and 8-inch pots are the best sizes to use. See that every pot has ample drainage, for while callas like plenty of water at the roots they will not thrive with stagnant moisture around their roots. When planted they can be placed in a cold frame until the middle of September. Here they will make lots of roots with a stocky top growth. Be careful as to watering until they begin to fill the pots with roots. If you intend to buy a new stock of tubers do not forget to try some of the Godfrey calla as you will find them far superior to the old stock.

Care of Chrysanthemums

This is the season when the chrysanthemum grower is kept very busy. See that they have plenty of syringing on all bright days as it refreshes the plants and keeps the foliage glossy and healthy. See that they have proper water at the roots, for when allowed to wilt they soon become hard and stunted and will never produce fine flowers. Give them all possible ventilation as this is of the greatest importance in bringing the plants through the hot weather in good condition. Early-planted chrysanthemums will now be making very heavy growth, so examine the surface of the benches and when you detect the roots running near the surface give them a rich mulch of equal parts of soil and cow manure about an inch deep and repeat in a couple of weeks. This will give them something to feed upon while making such fast growth. Just as soon as the buds begin to form they should have liquid manure water once a week and increase this to twice a week later

on. Give close attention to weeding, staking and tying. Keep your plants clean and free from the aphid by frequent light fumigation.

Coreopsis for Easter

A nice lot of *Coreopsis lanceolata* in bloom at Easter will be found to be a paying proposition. If you have not sown earlier, sow now without delay. They can be sown in a frame allowing plenty of space so the young seedlings will not spindle up before they are transplanted. Keep shaded and well watered until they begin to germinate. When they are large enough to handle they should be pricked out into other frames, from 5 to 6 inches apart. Here they can stay until about the middle of September when they should be potted into six-inch pots, and grown until freezing weather sets in. They can then be placed in some frame where they will have protection from hard frost until they are wanted for forcing. This is the age when people are looking for something new around the spring holidays and a few of these will be appreciated by many customers.

Double Daisies

Every florist should grow a good batch of these daisies in pink, white and red, as they always come in very useful for different kinds of work, such as edging for spring flowering beds, rockeries and for the ground work of bulb beds. They also can be used in pans and baskets for the early spring trade. Sow now in frames on finely made soil. Guard against sowing the seed too thickly. Plenty of room is needed for fine stocky seedlings. When large enough they can be planted out in other frames and carefully watered until they take hold of the soil. Cultivate between the rows and keep clear of weeds.

Freesia Bulbs

These are usually the first to arrive of the long list of bulbs for winter flowering. Where it is desired to have them flower early they should be potted or benched as soon as received. It is a good plan to start a few hundred every two weeks until November, thereby having a succession right along. For a compost use fibrous loam three parts and well-rotted cow manure one part, as they like liberally enriched soil. If on a bench, the bulbs can be planted in rows six inches apart and about two inches apart in the rows, but for early flowering there is nothing better than 6-inch pans. The bulbs can be dotted all over the surface so they stand about two inches apart. Do not overlook proper drainage for each pan. They can be placed in some frame until about the middle of September. See that they do not get too much water after they are planted for many bulbs are ruined by overwatering at the start. The bulbs that are not planted should be spread out in a cool dry shed until wanted. Keep the plants when they are well up, in full sun. Do not labor under the idea that any old place is good enough for them, while they really require as much attention as anything that is grown inside. They like a house where the temperature during the late fall and winter is kept from 55 to 60 degrees at night.

HORTICULTURE

VOL. XVI

JULY 27, 1912

NO. 4

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.**11 Hamilton Place, Boston, Mass.**

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

Per inch, 30 inches to page..... \$1.00

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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Schemes and schemes

The full program for the approaching S. A. F. Convention at Chicago appears in this issue. Many of the Society's staunch friends and well-wishers will view with misgiving the several proposed amendments to the Constitution and By-Laws. We can see nothing in the circumstances of the Society demanding any one of these proposed changes which all together are almost revolutionary in effect. Uncalled-for tinkering with the Constitution is the worst kind of folly in a society of this kind. Unfortunately, in every organization are to be found those who are never content to "let well enough alone"—actuated by a chronic mental unrest and an insatiable propensity to pull things to pieces and start some sort of a fuss.

Proposed memorial to W. R. Smith

The movement for the erection of a "cairn" or memorial of some description as has been previously suggested by a number of friends of the late W. R. Smith and advocated by W. F. Gude on another page of this paper, to be dedicated to the memory of that grand old man, is one which, we believe, will receive a spontaneous and hearty response from every part of our country. It seems eminently fitting that some appropriate memorial should mark the spot where for sixty years he made his home, and record his virtues and the gratitude of the gardening craft for his sublime endeavors in behalf of their art and for the welfare of his fellow workers. We hope that the Society of American Florists and Ornamental Horticulturists will take up the matter promptly at its convention in Chicago next month and constitute a special committee for that purpose. As it appears probable that the territory so long occupied by the Garden and Mr. Smith's cottage will soon be turned to other uses early action should be taken to secure approval by Congress of the reservation of a suitable spot on which to erect the memorial, preferably as near the site of his cottage as possible.

The park superintendents

Now that the Sweet Pea Society visit has passed into history the next horticultural event to directly interest Boston is the meeting of the American Association of Park Superintendents to take place on August 12, 13 and 14th. This is the fourteenth annual meeting of this organization which had its birth in Boston mainly through the initiative of the late John A. Pettigrew. Mr. Pettigrew was at all times very active in the Association's work and was regarded with deep affection by all the members and it will be somewhat in the nature of a sad and lonesome reunion when they meet in Boston this year. There is no doubt, however, that they will be well looked after by Mr. Pettigrew's successor as Superintendent of Boston Parks, Mr. J. B. Shea, and the Commissioners both City and Metropolitan, so that a pleasant and profitable time is thus assured to all who come and there will be private hospitality in abundance as well. No body of men can be more welcome than they in any community where horticulture in its relation to the public welfare, physical and moral, has its due recognition. The sphere of the park superintendent is a wide and beneficent one and as a rule, although a comparatively young avocation in this country, their work is being done most creditably.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

The Pots

As we have suggested before, through these columns, summer is the time for cleaning and washing all pots and having them ready when the propagating season comes along. It is very hot in all the houses as we all know only too well and washing pots is much more suitable work for this kind of weather, than working in the houses would be. Various devices and machines have been devised and used on many of the large places, to make more headway in washing pots. The most successful and economically operated device we know of is a regular pot-washing machine driven by an electric motor which is used in driving a pump for syringing or liquid manure. This pump is so arranged as to be easily disconnected from the motor, and then a belt is put on the pot washing machine. To save time and labor, brushes, etc., it is well to have the pots soaking for at least 24 hours before they are washed.

As soon as the pots are washed store them away carefully in a frost-proof building if possible, keeping them piled up nice and neat, all sizes separate. Many places have a special building where all pots are stored, yet we find it much handier to provide a pot storage when planning a potting shed or work room, so as to have the pots near at hand, when there is potting to be done. We find, too, that the less we have to handle the pots the better, for not only is time expensive but some pots are bound to be broken in handling and where thousands of pots are handled this breakage and the time required is bound to eat into the profits.

The New Roses

Do not turn all the new roses down without giving them a good trial first. During this trial study the variety carefully; find out its necessities, its weak points, and do not do any guessing when it comes to figuring up the returns. Keep careful account of every little thing which may be of value to you later on in deciding whether this one variety should be planted more freely next season. Know the rose from A to Z before you attempt to grow it on a large scale.

Greenfly

Where houses have always been kept clean and free from this pest little trouble will be experienced in keeping it in check. Syringing alone should keep greenfly out providing of course that the plants were clean to begin with. You will find it a great help by following each syringing with a thorough spraying, using some good reliable insecticide. As is needless to say the green-

fly likes to hide on the under side of the leaves and if blown off by syringing will quickly crawl back on the plant again. Syringing scatters the greenfly pretty well and if a thorough spraying is given right after each syringing the largest part of the fly will never bother rose or any other kind of plants again. In spraying the solution should be mixed full strength, the plants being all wet which will dilute the solution so that there will be absolutely no danger of burning the plants. If this spraying is kept up after each syringing little trouble should be had from greenfly.

Fumigation

Never think of fumigating unless the houses are below 70 degrees F. and always see that the plants are not dry when this is done as fumigating dry plants heavily will burn them terribly. Hydrocyanic acid gas is fast taking the place of tobacco papers because of its simplicity, but it is very deadly and should never be entrusted in unskilled hands. Tobacco stems are also largely used by some of the best growers for fumigation. Although we formerly used quite a lot of stems in a season the amount seems to have diminished until but a bale or two is used and that only for the young plants.

Old Beauty Plants

These should be kept disbudded until the growths begin to touch the second wire. Should the plants dry out too much a light mulch of lumpy cow manure may be applied. Do not use any soil with the mulch, for, if the benches become too full, you will have trouble in making them dry out properly next winter, and the chances are that your roses will not do as well as they should.

Killarney

Do not overdo the pinching on these or—for that matter—on any other roses. After the plants attain a fair size it is better to let the flowers come on for if the pinching is kept up too long the wood is bound to get a bit hard and it will be difficult to make it break strong after a crop is cut off.

Here is another important thing, especially on a small place where only a few plants are grown. After the first crop is cut off and the second begins to come on try to break up the second crop by pinching some of the shoots. This will give you some roses all the time. Many of the large commercial places will run a whole house to a crop at one time and then just alternate the houses to have one house or section in full crop at all times. Where this can be done it is much better all the way around for a house can be forced more after a crop is cut off and then run cooler when the crop comes on, without the least injury. This could not be done where plants have to flower and grow new wood at the same time.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

Program of the Twenty-eighth Annual Meeting and Exhibition to be held in the Coliseum, Chicago, Ill., August 20th, 21st, 22nd and 23rd, 1912

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Wm. Rehder, Wilmington. South Dakota—E. C. Newberry, Mitchell. West Virginia—C. P. Dudley, Parkersburg. Wisconsin (North)—J. E. Matthewson, Sheyboyan. (South)—Nic. Zweifel, North Milwaukee. Virginia—J. Guille, Portsmouth.

Ontario—F. H. Miller, Bracondale, Toronto. Manitoba—H. E. Phillpot, Winnipeg. Quebec—Geo. A. Robinson, Montreal. Alberta—A. M. Terrill, Calgary.

Botanist—Prof. A. C. Beal, Ithaca, N. Y.

Pathologist—Prof. H. H. Whetzel, Ithaca, N. Y.

Entomologist—Prof. Thos. B. Symons, College Park, Md.

Washington Representative of the Society—William F. Gude, Washington, D. C.



Superintendent of Exhibition—John Young, 54 West 28th St., New York.

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Judges for the Trade Exhibition.

Sections A, B, F—Ad. Gude, Washington, D. C.; A. L. Vaughan, Chicago, Ill.

Sections E, G—S. S. Pennock, Philadelphia, Pa.; Charles E. Critchell, Cincinnati, O.; Ernst Wienhoeber, Chicago, Ill.

Sections C, D—W. P. Craig, Philadelphia, Pa.; A. L. Miller, Brooklyn, N. Y.; E. Allan Peirce, Waltham, Mass.

Section H—Philip Breitmeyer, Detroit, Mich.; F. H. Weber, St. Louis, Mo.; H. V. Hunkel, Milwaukee, Wis.

Committee on Convention Sports—Chas. Graham, Cleveland, O., chairman; H. Brown, Richmond, Va.; Chas. E. Critchell, Cincinnati, O.

Advisory Committee for Trade Exhibition August Poehlmann, chairman; W. N. Rudd, J. C. Vaughan, George Asmus.

Committee on School Gardens—Benjamin Hammond, Fishkill-on-Hudson, N. Y., chairman; C. B. Whitnall, Milwaukee, Wis.; Michael Barker,

Chicago, Ill.; *Wm. R. Smith, Washington, D. C.; C. L. Seybold, Baltimore, Md.

Committee on National Flower Show—Charles H. Totty, Madison, N. J.; W. A. Manda, South Orange, N. J.; W. N. Rudd, Chicago, Ill.; W. N. Craig, Philadelphia, Pa.; Thomas Roland, Nahant, Mass.; J. A. Valentine, Denver, Colo.

Past Presidents.

*John Thorpe, 1884-1886; Robert Craig, 1887; E. G. Hill, 1888; J. N. May, 1889; *J. M. Jordan, 1890; M. H. Norton, 1891; James Dean, 1892; *William R. Smith, 1893; *J. T. Anthony, 1894; Edwin Lonsdale, 1895; *William Scott, 1896; Adam Graham, 1897; W. F. Gude, 1898; W. N. Rudd, 1899; *E. M. Wood, 1900; Patrick O'Mara, 1901; John Burton, 1902-1903; Philip Breitmeyer, 1904; J. C. Vaughan, 1905; Wm. F. Kasting, 1906; Wm. J. Stewart, 1907; F. H. Traendly, 1908; J. A. Valentine, 1909; F. R. Pierson, 1910; George Asmus, 1911.

*Deceased.

TUESDAY, AUGUST 20th.

Opening Session, 10 A. M.

Address of Welcome. President Vincent's Address.

Amendment to Constitution and By-Laws to be acted upon: To amend Article V, Section 1:

"The location of the next following meeting to be selected by ballot at the morning session of the second day of each annual meeting."

by striking out the words "morning" and "second" and inserting in place thereof, respectively, the words "evening" and "first."

Reports of Secretary, Treasurer and Committees.

Afternoon Session, 3 P. M.

Report on National Flower Show, by Charles H. Totty, chairman National Flower Show Committee. Paper by Mr. Wm. Gourlay, assistant to the general manager of the American Express Company. Discussion. Consideration of Invitations for Next Place of Meeting (if the amendment to By-Laws is adopted at the morning session).

Evening Session.

Reception to President Vincent, at the Auditorium Hotel. Music, Dancing and Refreshments. Strictly informal.

Amendments to Constitution and By-Laws to be acted upon; To amend Article II, Section 2 (a).

"Sec. 2. Elections and Appointments:—(a) The president, first vice-president, secretary and treasurer shall be elected by ballot at the annual meeting of the Society, and their term of office shall begin with the first day of January next succeeding the election and shall continue for one

year, or until their successors are duly elected and qualified."

by striking out the word "secretary;" and by adding: "The secretary shall be elected by the directors at the annual mid-Lent meeting and shall serve for one year. Seven (7) affirmative votes shall be necessary to elect, and nine (9) votes to remove him from office before the expiration of his term."

To amend Article III.

"GOVERNMENT, EXECUTIVE BOARD.

"Between the sessions of the Society its government shall be vested in an executive board, consisting of the president, junior ex-president, first vice-president, secretary, treasurer and six directors. A regular meeting of the board shall be held each year about mid-Lent, at the call of the secretary, upon such date as the president may direct, etc."

by striking out the word "secretary" in the third line, after "vice-president" and before "treasurer."

To amend Article V, Section 5.

"Sec. 5. Exhibitions. There shall be held, whenever practicable, in connection with each annual convention, an exhibition of materials and manufactures used in and products of horticulture. It shall be in charge of a superintendent, who shall be appointed by the executive board at its preliminary annual meeting, and shall be governed by such rules and regulations as the executive board shall adopt. Judges shall be appointed by the president and secretary at least one month before the exhibition."

by striking out the words "and secretary."

Resolution:—Be it Resolved, That the records of the proceedings of this Society for the year 1909 in convention at Cincinnati, Ohio, be corrected by adding the following, as adopted at the time:

"All members after paying dues continuously for twenty-five (25) years shall be known as 'Pioneer Members.' They shall be entitled to all the benefits and privileges of other members; shall be exempt from the payment of dues for the balance of their lives and their names shall appear in a special list under an appropriate heading in the annual volume of the proceedings of the Society."



ASBURY PARK SHOW
Conlin and Dreer Exhibits

Amendment:—To amend Article IV, Section 2, covering fees and assessments, by adding the following:

"Annual members after paying dues continuously for twenty-five years shall be known as 'Pioneer Members,' and shall be exempt from all future assessments."

Ballot on place of meeting if first amendment carries.

WEDNESDAY, AUGUST 21st.

Morning Session.

Paper by Mr. L. W. C. Tuthill on "Advertising. Some Wrongs to Make Right." Discussion. Nomination of Officers for 1913. Annual Meeting of the Ladies' Society of American Florists at 10.30 A. M.

Afternoon.

No business Sessions—This afternoon remains open, to permit of those interested visiting the growers' and other establishments in and around Chicago.

Evening.

Lecture, Illustrated in Colors, on "Floral Designing," by Mr. Fred. C. W. Brown of Buffalo, N. Y. Discussion.

THURSDAY, AUGUST 22nd.

Morning Session.

Meetings of the following Societies: 9 A. M.—Florists' Hall Association of America. 9.15 A. M.—American Rose Society. 9.30 A. M.—American Carnation Society. 10 A. M.—Chrysanthemum Society of America—Illinois State Florists' Association. 10.15 A. M.—American Sweet Pea Society. 10.30 A. M.—American Gladiolus Society. 10 A. M. to 12 M.—Election of Officers.

Afternoon.

The Annual Bowling Tournament will take place at Bensinger's Bowling Alleys, 29 W. Randolph St., starting at 2 o'clock.

Evening, 8.30 P. M.

Reception and Dance given by the Ladies' Society of American Florists.

FRIDAY, AUGUST 23rd.

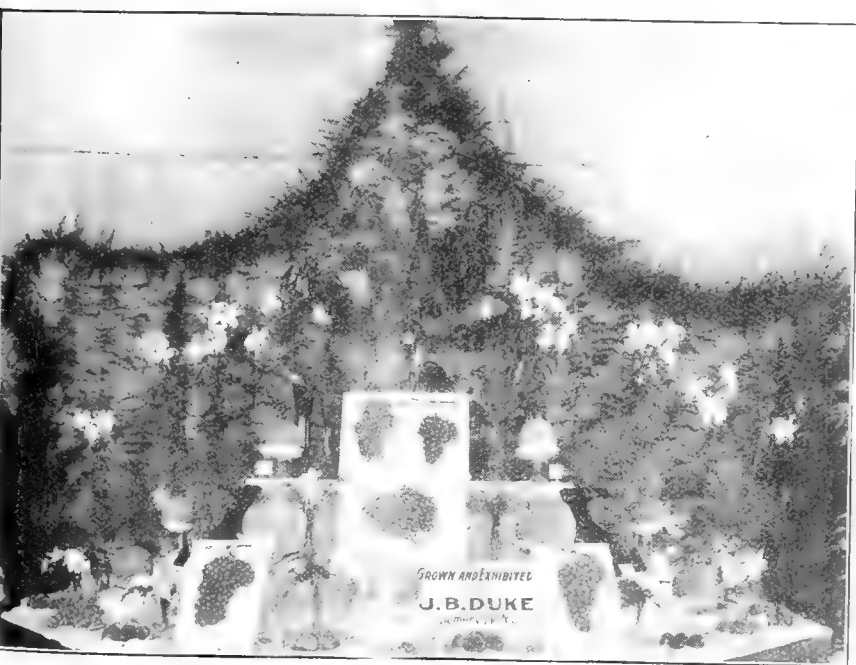
The Chicago Trade Committees have arranged for a full day's entertainment at Ravinia Park.

Special Trains, Luncheon and Dinner, Outdoor Sports, Baseball and Foot Races, Band Concert and Grand Opera.

Ideal surroundings of ravines and groves. Most noted and exclusive resort near Chicago.

Members on arrival at Chicago should register with Secretary, register with Chicago Committee, get all local information, get the Souvenir Album.

A Bureau of Information, continually maintained, will be found adjoin-



PRIZE WINNING EXHIBIT OF FRUIT GROWN UNDER GLASS

At Asbury Park Show, from Duke's P. Somerville, N. J. A. A. MacDonald, supt. Geo. H. Person, fruit grower.

ing Secretary Young's office in the Coliseum Building.

Prof. H. H. Whetzel, of Cornell University, official pathologist, will have on exhibition an extensive collection of specimens and descriptive material covering plant diseases. The educative value of this exhibit will make it an important feature of the convention.

NEW YORK TO CHICAGO.

Arrangements have been made with the New York Central Lines to operate special train, New York to Chicago, for the accommodation of New York members and their friends who will attend the S. A. F. Convention in Chicago. Special train will be scheduled to leave New York, Grand Central Terminal, at 10.30 A. M., Monday, August 19th, due to arrive in Chicago about 8.45 A. M., Tuesday, August 20th.

The cost of Pullman accommodations, New York to Chicago, will be \$5.00 for lower berth; \$4.00 for upper berth. Should the party be made up of sufficient numbers to justify the New York Central operating special train, the railroad fare will be \$18.15 per capita in each direction. If, however, the number of persons should not be sufficient and will number ten or more traveling together, the railroad fare will be \$18.15 per capita, in addition to which an excess fare of \$5.00 each person will be charged, in which case equipment will be handled in regular train. It is, therefore, urged that everyone attending this meeting from points in Greater New York, New Jersey, and contiguous territory, arrange their plans so that they may join the special train party, giving sufficient numbers to assure of its success.

All applications for reservations should be made to W. V. Lifsey, General Eastern Passenger Agent, New York Central Lines, 1216 Broadway, New York, or to Walter F. Sheridan, Chas. B. Weathered, Arthur Buckholz, Anton Schultheis, Jr., Frank H. Traendly, chairman, 131 West 28th street, New York City, Committee on Transportation.

ST. LOUIS TO CHICAGO.

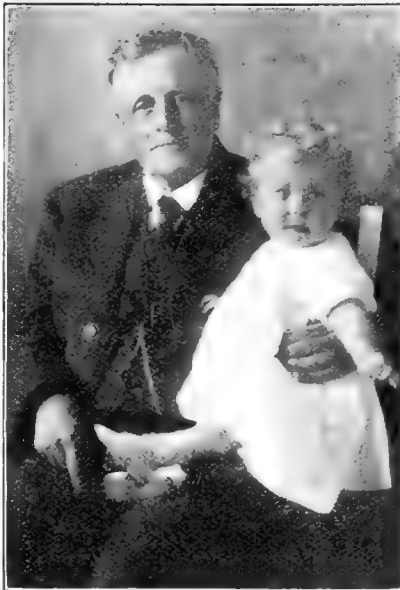
There seems to be some misunderstanding regarding the official route for the delegates to the S. A. F. Convention from here. At the last meeting of club it was voted to make the Wabash the official route but letters sent out by State vice-president F. H. Weber, state that the delegation

will leave here on the C. & E. I. R. R., on Monday, August 19th at 9 A. M., arriving at Chicago at 5 P. M. same day, and that the fare would be \$11.60 for the round trip. More will be known as to who are going at the next club meeting. Any one contemplating making the trip should send names in at once.

PERSONAL.

William Nicholson, Framingham, Mass., returned on July 18th from his trip to England.

Postal cards received from R. M. Ward locate that versatile traveler at Hong Kong and Peking.



ROBERT CRAIG IN THE ROLE OF GRANDPA
(Note how well it becomes him.)

Francois A. Morse, formerly with the Rosebud Greenhouse Co., is now in charge of the greenhouses of E. J. Byam, Rome, N. Y.

Miss Lulu Heimlich has been engaged as manager of the flower store soon to be opened by F. W. Heckenkamp, Jr., in the St. James Hotel, Quincy, Ill.

Wm. J. Stewart of Boston has been invited by the President and Secretary of the Royal Society of Horticulture and Arboriculture of Bruges, to officiate as one of the jury at the International Exposition to be held at Bruges, Belgium, on August 10.

Chicago Hotel Rates.

This list includes all the important hotels easily reached from the place of meeting with the special rates offered for the convention.

The Hotels.	Single Without Bath.	Single With Bath.	Double Without Bath.	Double With Bath.
Auditorium	\$1.50 to \$2.50	\$2.50 to \$4.00	\$3.00 to \$4.00	\$4.00 to \$6.00
Bismarck	1.00 to 1.50	1.50 to 2.50	2.00 to 3.00	3.00 to 5.00
Blackstone	2.00 to 2.50	2.50 to 3.00	3.00 to 4.00	4.00 to 5.00
Brevort	1.50 to 2.50	2.50 to 3.00	3.00 to 4.00	4.00 to 5.00
Congress	2.00 to 3.00	3.00 to 4.00	4.00 to 5.00	5.00 to 6.00
Grand Pacific	1.50	2.00	2.50	3.00
Great Northern	1.50 to 2.00	2.50 to 3.00	3.00 to 4.00	4.00 to 5.00
Kaiserhof	1.00 to 2.00	2.00 to 2.50	2.50 to 3.00	3.00 to 4.00
La Salle	2.00 to 3.00	3.00 to 4.00	4.00 to 5.00	5.00 to 6.00
Lexington	1.00 to 2.00	2.00 to 3.00	3.00 to 4.00	4.00 to 5.00
Morrisson	1.00 to 1.50	2.00 to 3.00	3.00 to 4.00	4.00 to 5.00
Palmer	1.50 to 2.00	2.50 to 3.50	3.00 to 4.00	4.00 to 5.00
Saratoga	1.00 to 2.00	2.00 to 3.00	3.00 to 4.00	4.00 to 5.00
Sherman	1.00 to 2.00	2.00 to 3.00	3.00 to 4.00	4.00 to 5.00
Stratford	1.50	2.00 to 4.00	2.50	3.00 to 6.00

Reservations may be made through the chairmen and vice chairmen of the local hotel committees, as follows:

J. B. DEAMUD,
160 North Wabash Avenue, Chicago.
T. E. WATERS,
32 East Randolph Street, Chicago

ROBERT NEWCOMB,
31 West Randolph Street, Chicago.
WM. LANGHOUT,
31 West Randolph Street, Chicago

CHICAGO NOTES.

D. M. Cumming's new Lord & Burnham house is just completed. Knut Loefeng is the gardener.

Stock is showing the effects of the recent hot wave to a marked degree. It was not the excessively high temperature, but the great humidity which accompanied it that took the life out of the flowers and injured the plants.

The usual friendly but keen rivalry exists between the private gardeners at Lake Forest, Ill., as the annual exhibition draws near. The Lake Forest Horticultural Society has taken the broader name of North Shore Horticultural Society and will hold the mid-summer exhibit on July 31st.

The first steps were taken by the West Park Commissioners last week to add still another small park to Chicago's already long list. The new one is on the West Side between Central and Austin avenues and a little to the south, between Adams and Harrison streets, covering 154 acres and costing \$500,000.

Geo. F. Crabbe, of Grand Rapids, Mich., in his recent visit here said the escape from severe loss of life in his city during the storm, which amounted to a cyclone, was wonderful. The roof of the baseball grand stand was lifted and dropped into the vegetable market upon the teams. The conservatories of John Ball Park suffered the loss of a large smoke stack. Not a chimney was left in the path of the storm.

Personal.

Michael Fink has moved to 5219 Strong street to his new home recently purchased.

Miss G. Harper has accepted a position as assistant bookkeeper with Bassett & Washburn.

Florence Scriven is a new member of the office force at the Chicago Flower Growers' Association.

John Young, superintendent of trade exhibition for the S. A. F. and O. H. Convention in this city, August 20-23, arrived Monday and opened an office in the Coliseum.

A. L. Vaughan is back from a vacation spent in wading in the deep streams of Michigan, fishing. He is several inches smaller in circumference and several pounds heavier.

Mrs. W. Romaine, daughter of the late John Thorpe, who has been dangerously ill in a Chicago hospital, is now convalescing nicely at the home of her sister, Mrs. D. W. Evans, 3478 Archer avenue.

C. Pruner and F. Longren are both in from trips which practically closed the season. They say they are finding it much harder to kill time than to sell goods. They are planning a big year ahead for E. H. Hunt.

Visitors: Henry Dresel, New Orleans, La.; Louis Dresel, Detroit, Mich.; Eric Benson, E. A. Russell and Knut Loefeng, Lake Forest, Ill.; Geo. F. Crabbe, Grand Rapids, Mich.; G. H. Sinclair, Holyoke, Mass.

On Wednesday, July 24, John I. Raynor of New York while motoring from Portland to Boston, accompanied by Mrs. Raynor had the misfortune to break two axles. Luckily no one was hurt.

DURING RECESS

Gardeners' and Florists' Club of Boston.

The annual outing of this club held at Cunningham Park, East Milton, Mass., was the best attended and altogether one of the most enjoyable in the club's history. The grounds which were the most convenient and well-adapted of any the club has had are conducted under a bequest for the use of the people of Milton and were had without cost through the kindness of the superintendent and trustees. The officials who had charge of the various features did their work with the promptitude and efficiency of veterans and the number of contestants in the different games was unusually large,

girls under 12, Mary Iliffe, Susie Rogers. Three-legged race for men, Palmer and Westwood, Collins and Prae. Race for boys under 12, P. Roland, Lawrence Hollingsworth. Three-legged race for boys, Westwood and Iliffe, Hargraves and Prae. Sack race for men, W. J. Collins, C. Prae. Obstacle race, Tom Westwood, Walter Westwood.

St. Louis Florist Club Picnic.

The much talked of annual picnic given by the Florist Club for florists and their families took place on July 7th at Preister's Park. The attendance was not quite so large as in former years when the picnic was held on this side of the river, still some 300 were in attendance and enjoyed the day greatly.

Frank Weber, chairman of the trustees, worked hard all day and was

Buffalo Florists' Club Outing.

On Wednesday last the Buffalo Florists' Club held their annual affair, and were certainly treated with an ideal day, which members with their families, friends and fellow-florists fully enjoyed. Again Bedell House, Grand Island, was selected by the able committee and they had in store a treat for all. No better program of sports was ever arranged in previous years, and prizes worth making an effort for were awarded. The sports commenced on arrival, and as usual the ball game was first on the program—East Sides vs. West Sides. On account of time limit only five innings were played and the East Siders won 12 to 10. Judge Neubeck handled the indicator



BUFFALO FLORISTS' CLUB AT GRAND ISLAND

several of the races having to be run in three or more heats. In the baseball game the Private Gardeners under Capt. R. W. Curtis whipped the Commercial men under Capt. M. F. Ruane by a score of 7 to 1. In the tug-of-war the Private Gardeners under Capt. J. L. Smith again put it all over the Commercial men under Capt. Jas. Wheeler. The results in the other events are given below. The greatest amount of amusement was caused by the obstacle race, in which many comical situations were evolved:

Base ball for boys, White Sox, Capt. Palmer, 11; Red Sox, Capt. Phil Roland, 5. Quoit match, Private Gardeners, under Capt. Kenneth Finlayson, 5; Commercial, under Capt. D. Iliffe, 1. Lawn tennis for ladies, Miss Westwood, Miss Palmer. Race for boys under 8, Andrew Rogers, Jas. R. Doyle. 100-yard race for single ladies, Edith Iliffe, Wilhelmina Prae. Race for girls under 8, Mary Flood, Margaret Duguid. Time race, Mrs. Eisenhart. Egg and spoon race, Mrs. Cole, Mrs. Wood. Potato race for boys, Philip Roland, Carl Prae. Flag race for girls, Margaret Iliffe, Edith Harrison. High jump, F. Palmer, W. J. Collins. Fat men's race, Frank Edgar, James Wheeler with D. Iliffe close at his heels. Base ball, married vs. single, 2 to 1, won by the single ladies 13 to 12. Putting shot, W. J. Collins, H. Prae. Race for boys and girls under 6, Arthur Rogers, Jennie Brown. Needle threading race for ladies over 50, Mrs. Fred Palmer, Mrs. Larry. 100-yard race for men, Henry Prae, Wm. Iliffe. Sack race for boys, Wm. Westwood, Lawrence Hollingsworth. Race for

ably assisted by Messrs. Guy, Young and Ossick. The baseball game between the Wholesalers and Retailers was won by the Wholesalers. Other games and the winners were as follows:

Walking match, B. H. Pierce, Geo. Madison. Young ladies' walking match, Miss B. Zender of Chicago, Miss C. Rennecke. Little girls' race, Miss Emunds, Miss Lown. Small boys' race, the Schuster boys, first and second. Weight throwing, W. Ogle, Frank Sanders. Ladies' ball throwing (Belleville Florists' prize), Miss Underwood, Mrs. F. Fillmore, Jr. 150-yard race for young men, Frank Sanders, R. Ogle. Egg and spoon race, Mrs. G. Grossart, Mrs. Walter Weber. Novelty race (37 entries), C. Bergestermann, F. W. Bruenig. Novelty race for ladies (Geo. Waldbart prize), Mrs. R. Bremer, Mrs. H. Berning. Seed guessing contest, St. Louis Seed Co. prize, Mrs. Schoenle, Miss Becker; Schisler-Cornell Seed Co. prizes, R. Winkler, Miss Muldoon; Schisler Grain Co. prizes, Miss Viola Spitzel, Mrs. Fillmore, Jr.; Triesley Seed Co. prizes, Mr. Flanagan, Mrs. Bergestermann. The tug-of-war, always eagerly watched for, was between two teams of ten men on each side, drawn by Joe Hauser and H. Emunds. The pull lasted for fifteen minutes of uninterrupted endeavor and was finally won by Joe Hauser's team. Prizes, a box of good cigars for the winners and a box of ropes for the losers.

Cincinnati Outing.

The annual outing of the Cincinnati florists was held at Coney last Thursday. The attendance was very good.

and he made raw decisions. Slattery had much to say. Kramer, the West Sider, pitched wild and Greiver replaced him. Bad errors by Walters, and the slow running for bases by Eliss cost them defeat. For the old men's race, a fast bunch were in line ready for the word. The betting was on Hale 3 to 1, but the dark horse, Neubeck won, with Metherell second, and Sommenberg, third.

The tug-of-war was the hardest pull the greenhouse men have had in some time. The opponents, the store men, who naturally are light weights, gave them a hard time, and only lost by a small margin, the time being two minutes. Neubeck was timekeeper and Andy Adams again furnished rope and cheers.

Other games and winners were as follows:

Three legged race, Greiver and Walter, Kinkel and Dobbie. Ladies' race, Miss Jensen, Miss Kirchhoff, Miss Stroh. Boys' race, Harrison, Domaris, Meyer, Gaskin. Hop, step and jump, Kinkel 35 9-12, Greiver 35 8-12, Stunts 35 4-12. Sack race, Jerome, Greiver, Walters. Men's race, Brucker won the sack of flour (guess the position); Slattery was also a runner, and J. Priesach of Corfu crossed the line first. John had been training running for a long time.

After the games, all were ordered to the banquet hall, which was beauti-

fully decorated in the club's colors. Brief remarks by President Greiver, Mr. Neubeck, Wm. Legg, W. A. Adams and others were appreciated. All in all, it was a very successful outing, and the committee is to be congratulated upon its success. E. C. B.

On Tuesday, July 23, a party of horticultural people from Boston enjoyed an auto trip to Dreamwold, Thos. W. Lawson's farm at Scituate, Mass., as guests of Edward MacMulkin. The party included: J. K. M. L. Farquhar, Judge C. W. Hoitt, E. H. Wilson, M. H. Norton, E. Allan Peirce, Thos. A. Cox, H. Huebner, Thos. Roland, W. Hastings, T. J. Grey, W. R. Nicholson, W. J. Stewart. After an interesting inspection of the famous stables, kennels, barns and gardens, the visitors were lavishly entertained by Mr. MacMulkin at his farm house at Sea View.

The Minneapolis Florists' Association held their annual picnic at Spring Park, Lake Minnetonka, on July 18th.

INTERNATIONAL EXPOSITION OF HORTICULTURE, 1913.

The Secretary of Agriculture has received through the Secretary of State official notification from the Imperial Embassy of Russia at Washington, D. C., that under the patronage of his majesty, the Emperor of Russia, an International Exposition of Horticulture will be held at St. Petersburg during the spring of the year 1913.

The Exposition will comprise the following sections:

- I. Floriculture.
- II. Decorative horticulture. (A) Green house; (B) Outdoor.
- III. Pomology.
- IV. Fresh fruits and those kept naturally during the winter.
- V. Vegetables and market-garden plants.
- VI. Preservation and use of fruits and vegetables.
- VII. Grains.
- VIII. Apiculture and agriculture.
- IX. House plants.
- X. Scientific section.
- XI. School section.
- XII. Tools, instruments and apparatus.
- XIII. Floral art.
- XIV. Commercial section.

The organization of the Exposition is in charge of an executive committee under the direction of A. de Jacewski, Vice-President of the Imperial Society of Horticulture of Russia. President; and M. K. Borowski, General Secretary of the Society, Secretary.

Requests for registration should be addressed to the executive committee care of the Bureau of the Imperial Society of Horticulture of Russia, Quai de la Cour, 32, St. Petersburg, Russia, on or before February 1, 1913, by Russian exhibitors, and not later than January 1, 1913, by foreign exhibitors.

Provisional and foreign exhibitors who can not themselves or by their representatives be present to receive their exhibits should send them prepaid to the Bureau of the Imperial Society of Horticulture. Exhibits not prepaid will not be accepted and the Society will not assume any responsibility therefor. The committee will receive exhibits sent prepaid by railway or steamship and will put them in position at the expense of the exhibitor.

CLUBS AND SOCIETIES

AMERICAN CARNATION SOCIETY.

There will be a meeting of the Board of Directors of the American Carnation Society at Chicago at 9.30 o'clock on Thursday, August 22nd. Members who are in attendance at the convention are invited to meet with the board. The schedule of premiums for the National Flower Show in April, 1913, will be made up at this meeting. Anyone wishing to offer a special premium for carnations will kindly advise the undersigned. The following specials have already been pledged:

By Kroeschell Bros. Co., Chicago, Ill. Gold medal, value \$25.00 for 12 largest carnation blooms.

By S. M. Merwarth & Bro., Easton, Pa. \$50.00 in three prizes for 100 blooms of carnation Comfort.

By Thos. W. Lawson, Boston, Mass. Silver cup, value \$50.00. Class not yet named.

By Hitchings & Co., New York, N. Y. The Hitchings cup, value \$30.00. Sweepstakes in Section A.

New Carnations Registered.

By Richard Diener & Co., Mountain View, Cal. California Giant—Prosperity × Enchantress. White with lemon tint in centre. Occasional faint markings of red, as in Prosperity. Size, 5 to 6 inches. Upright, vigorous habit. Stiff stem, 3 feet in length. Produces 15 blooms per plant. Strong clove scent. Papaver-shaped calyx.

By Peter Fisher, Ellis, Mass. Gorgeous—Parentage not given. Color Persian red. Size, 4 inches and over. Plant extremely robust and healthy. Exceptionally long stems, and stiff. Guard petals of bloom broad and well arranged, centre high and not too full. Free for a strictly fancy sort.

By Thos. F. Brown, Greenfield, Mich. Magnificence—Winona × Beacon. True pink. Size, 3½ inches. Habit extra good. Early and productive. Calyx does not split. Good stem and well-formed flower.

By Cottage Gardens Co., Queens, N. Y. Matchless—White Perfection × Alma Ward. Color, pure white. Size, 3½ to 4 inches. Vigorous habit with long wiry stem. Very prolific. Flowers possess extraordinary substance.

By R. Witterstaetter, Cincinnati, Ohio. Pres. J. A. Valentine—Aristocrat × Enchantress. Bright shell pink. Size, 3½ inches. Strong habit, with heavy leathery foliage. Stems strong and stiff, curving slightly. Moderately free.

By Traendly & Schenck, New York, N. Y. Salmon Beauty—Salmon-colored sport from Enchantress. Stronger and more vigorous than the original Enchantress.

By The E. G. Hill Co., Richmond, Ind. The Commodore—Victory × Seedling. Color, velvety deep scarlet. Just over 3 inches. Bluish grass of medium size. Healthy and very free in growth. Free in flower. Stiff stem throughout the season. Never splits.

By Chicago Carnation Co., Joliet, Ill. The Herald—Seedling cross. Color, scarlet. Size, 3 to 3½ inches. Robust upright growth, with very stiff stems. Free bloomer and good habit.

By Scott Bros., Elmsford, N. Y. Wm.

Eccles—Beacon × Victory. Scarlet. Size, 3½ inches. Partakes of Victory in habit. Stems, 2½ to 3 feet and hold flower rigid. Non-bursting calyx. Sweet perfume.

A. F. J. BAUR, Secretary.

FLORISTS' AND GARDENERS' CLUB OF RHODE ISLAND.

The regular meeting of the Florists' and Gardeners' Club of Rhode Island was held at their headquarters in Providence, July 15th, with a small attendance.

The annual outing of the club, which was to have been held next month at the Rhode Island State College, has been called off. This decision was reached at the meeting after hearing the sentiment of many of the members and a general discussion of the trip. Last year the club went to Kingston and the trip was a profitable one. This year some of those who went there last year did not care to go again.

Last winter, Robert Johnston, H. J. Wheeler and Eugene McCarron were chosen a committee to plan the outing and it was with the object of having an instructive and pleasure trip combined that they decided on the Kingston College. S. A. G.

CLUB AND SOCIETY NOTES.

At the annual meeting of the New Orleans (La.) Horticultural Society on July 11, H. Doescher was elected president; Max Schernuck, vice-president; C. A. Panter, re-elected secretary; and John Ebling, re-elected treasurer. The society voted to have its annual holiday in Grand Isle.

Angelo J. Rossi, president of the Pacific Coast Horticultural Society, H. Plath and D. MacRorie have been appointed by the Pacific Coast Society as a delegation to the S. A. F. Convention in Chicago to present a cordial invitation for the 1915 sessions of that body to be held in San Francisco.

The monthly meeting of the Nassau County Horticultural Society was held at Glen Cove, N. Y., on July 10th, with a good attendance. Vice-President Barton occupied the chair. A question was raised as to moving the society's headquarters from Glen Cove to Mineola and considerable discussion followed, many of the older members being in favor of the move. It was decided to lay the matter over for further consideration. It being sweet pea night there was a very fine display. H. Boettcher was awarded first for 25 sprays, pink, white and any other color. Thanks of society was awarded to G. Barton for collection of sweet peas and honorable mention to J. Marmoli for lettuce. A letter was read from J. G. McNicol accepting an invitation to act as judge at the fall exhibition. Mrs. H. L. Pratt offered a silver cup for table decoration. It was decided to hold the Dahlia Show on Oct. 9th. Prizes are offered at the next meeting for asters, muskmelon and sweet corn.

JAMES MacDONALD, Cor. Sec.

A BERKSHIRE GREENHOUSE.

The reproduction shown gives a fair idea of what can be done with a small house, not only as to utility, but as an ornament to the place.

To begin with the gardener's cottage is good architecture, and while only the side and rear are shown, the window-box and small decoration underneath are all in harmony and keeping with the surroundings.

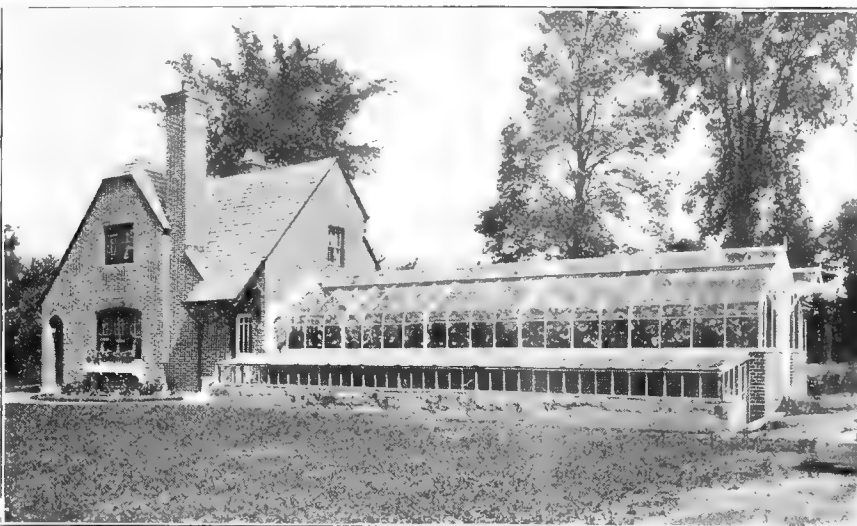
The greenhouse is about 14 feet wide by 42 feet long with a small pit at the side. This pit being an after consideration, was home-made. However, the utility is there and the pit being hidden from the main driveway, does not detract from the general appearance. The greenhouse is an iron frame, curved glass eave affair, and has two benches. Entrance to it is made from the superintendent's office, and it is heated by the same boiler which heats the cottage; economy is thus maintained and labor saved. The radiation in both house and pit is liberal and the piping so valved that almost any conditions may be met. The results obtained from this small beginning have been wonderful, indeed, and well worth any gardener's ambition to try for.

There are many private gardeners on small places who want glass, something to work with, a place where he can show results. Perhaps he has just taken a position on a comparatively new place, and naturally he wants to show what he can do. In the great majority of places he has not even a hot-bed sash to begin with. His employer expects certain things and in fact many times demands results that are impossible to obtain with the facilities at hand. As a rule, he will get some frames in shape to grow a little stuff and often it is surprising what good results he will show with his meagre beginning. In many cases it is just this small start that ultimately ends in building a good-sized practical range. Many begin in that small way and work up to something large and good.

A gardener, when approaching his employer relative to building, must bear in mind this fact, that the greenhouse should be in keeping with the rest of the buildings. For instance, if the out-buildings are good—and they generally are—the greenhouse should be good, and harmonizing with the general surroundings. If he will stop to think that a small house of wood construction costs almost as much to build, and just as much to glaze, heat and bench, as an iron-frame type of house, he will bear this in mind when taking up the matter of building with his employer.

The gardener knows what he wants to grow, how he would like the house benched, heated, etc., but often gives too little consideration to the general appearance and layout with a view to future additions, improvements, etc., with the result that after the job is up, the effect is not perfectly satisfactory.

The King Construction Company through whose courtesy we produce this cut, state that they have built many small houses adjoining the gardener's cottage and the results have been most satisfactory. In numerous cases more glass was added without disturbing the heating arrangement of the first house or detracting from the



general appearance, but, as a matter of fact, making the whole affair more pleasing.

THE RENAMING EVIL.

Editor HORTICULTURE:

Dear Sir:—Your editorial remarks in the issue of July 13th, apropos to the fling of certain horticulturally authoritative critics beyond the "big pond" hurled at us for our proneness to rename plants are timely and to the point.

While I regret extremely that our coat-tails are not entirely without cobwebs in this direction to give justifiable cause for criticism from the quarters alluded to, I have no hesitation to say that the greatest culprits in this line are in the quarters from which these flings come.

This particular phase of horticultural interest has jolted my sense of propriety many years back; so much so that I was emboldened to draw up a paper on the subject to be forwarded to the Royal Horticultural Society of England, asking their co-operation in checkmating such inimical practices that must necessarily end in inextricable confusion and a corresponding degrading effect on the science of horticulture. The paper thus drawn up by me was adopted by the Gardeners' and Florists' Club of Boston, as representing their concrete sentiment on this subject. The secretary was instructed to forward the same to the Royal Horticultural Society of England, which I understood he did, but no word was heard one way or another from the other side then or since on this subject as far as I know.

In this connection, I may be permitted to recall the wholesale practice of renaming by our British critics of the famous Fisher and other carnations, which had become also famous in British and European climes. The more famous a newcomer takes itself to those climes, the surer the rechristening process went on. Ethel Crocker was renamed Royalty; Enchantress, Red Fascinator; Victory, St. Louis, and many other such instances could be named. (See Gardeners' Chronicle, November 3, 1906, page 314.) It ought to afford small consolation to us to know that others are as black or blacker than ourselves in the practices that tend to belittle the nobility

of horticulture. Let us with noble purpose and unfaltering effort eliminate from horticulture's banner all that tends to dim its lustre and thus, in our respective sphere, show as clean heels to our brother horticulturists abroad as did our manly athletes in theirs. KENNETH FINLAYSON.

ATTENDANCE AT ASBURY PARK SHOW.

Editor HORTICULTURE.

Dear Sir:—Since George C. Watson, in his article on the Asbury Park Show published last issue, says he was present "only for a fleeting moment," I must question his ability to criticize fairly the business management of the show.

As a matter of fact the business end was in charge of the city's regular publicity department, with all of the facilities and experience of one of the best promotion plants at its command. This same department is obligated for the prize money. No effort was left undone to promote the success of the attraction, the first one of its kind ever held in Asbury Park. The only available structure for the show was one which had been closed to the public for five years. Its location is not of the best. But under the circumstances the attendance was very flattering, and much greater than it would have been except for the unusual promotion work done by the city. People visit Asbury Park for its board walks and bathing beaches. They follow beaten paths. Good attractions within one block of the promenade are often financial failures because the public cannot be attracted across Ocean avenue. And at this time of the year the premanent inhabitants are too busy to attend any event. But despite all this the Asbury Park show as a beginning was a great success.

H. E. DENEGAR, Director.

NEWS NOTES.

Philadelphia, Pa.—The Logan Nurseries, York road and Loudon street, have been sold and the property will be used for building operations.

Williamston, Mich.—Land has been purchased here by Claud Going, of Shepardsville, Mich., on which he expects to erect a commercial greenhouse.

Obituary.

Carl Michler.

Carl Michler, florist, of Lexington, Ky., died recently, aged 69 years. He was born in Germany. His sons will continue the business as they have done since his long illness. His wife, a daughter and four sons survive him.

Magdalena R. Saling.

On July 11, Magdalena R. Saling, wife of William Saling, rose grower, 75 Harrison street, Rahway, N. J., died at her home after a long illness. She was over 70 years of age. Besides her husband she leaves a daughter, one son and one brother.

William McIntosh.

William McIntosh, florist, 6 Percy street, Charleston, S. C., was buried on July 9. He was a native of Scotland and 79 years of age. He retired from active business some years ago and his sons assumed charge. He is survived by two sons and two daughters.

Thomas White.

Thomas White, for many years superintendent of Riverside cemetery, died at his home in Fairhaven, Mass., after a long illness. He was a native of England and came to this country while young. He was a member of the New Bedford Horticultural Society and contributed articles to several of the horticultural magazines including HORTICULTURE. He was also a member of the Gardeners' and Florists' Club.

Oscar Kramer.

Oscar Kramer, lately foreman for Westcott's Laurel Hill Nurseries, died suddenly on the 22nd inst. The local prints had sensational stories about his having committed suicide on account of ill health. Mr. Westcott says he knew nothing of any despondency on the part of his employee, who had but recently came to him and well recommended. He had been previously with the Dingee, Conard Co., and various other well-known concerns.

August Dresel.

August Dresel, senior partner in the Crown Point Floral Co., Crown Point, Ind., died on July 17, aged 74 years. Mr. Dresel was born in Germany in 1838 and came to this country, locating in Chicago in 1865, where he conducted greenhouses for over thirty years. In 1901 he gave up these houses and located in Crown Point, doing a wholesale growing business.

The florist's work was always dear to him, and when paralysis overtook him five weeks ago and he was brought to a Chicago hospital for treatment, he begged to go back and sit in a wheel chair in his loved greenhouses. After his return he lived but one week. He is survived by a wife and five children.

Adolph Le Moutt.

Lonely because his wife to whom he had been married forty years, died two months ago, Adolph Le Moutt, florist, 202 Bowery, New York, committed suicide on July 22, at his home 240 Echo place, Bronx. He was 65

years of age and had been a florist on the Bowery 35 years.

Adolph Le Moutt came to New York from Germany in the early 60's. He was shrewd, full of initiative and his sentimental side whereby he was able to fascinate the flower buyer, for occasions either sad or gay, was well-developed. All through the height of his career he kept New York florally on the jump, and many quaint and interesting anecdotes are told of his quick-witted and resourceful character. He first sold flowers on the street corners and then opened a shop in the Bowery where he has continued ever since. His son will continue the business.

PHILADELPHIA NOTES.

Arthur Niessen is on a brief vacation down East—which means Nova Scotia and other cool and interesting places—perhaps.

W. J. Baker is not going to Chicago. Neither would he let anyone else go. The railroads are robbers and should not be encouraged.

George D. Clark of Dreer's has returned from a sojourn of two months in Europe filled with vim and information and says that he "had a splendid time."

E. H. Flood goes to New York on Tuesday to a meeting of the glass men. J. Burton says he's got enough now for two years and don't care if they put glass up to \$10.00 a box.

D. T. Connor has sold another boiler. One a day is his usual record. (So he says.) A greenhouse, 18 x 50 feet, goes with this one. The victim today is Edward Le Boutillier, Paoli, Pa.

Who suppressed the news that W. Atlee Burpee got in trouble for auto speeding in Boston and missed his train? "Let us have everything done open and above board," as Ed. Lonsdale used to say.

The steamship "Adelbert," due to arrive this week, is bringing many novelties to M. Rice & Co. for the S. A. F. Convention at Chicago, where they will be shown exclusively by that enterprising firm for the first time.

Mr. W. Helper has been added to the ever increasing force of M. Rice & Co., and will shortly make a tour of the country calling on the florists' trade, who we are sure will accord him a generous welcome as he will come primed up with good things and useful suggestions.

We met our friend, M. Fuld, of the H. F. Michell Co. near the Parker House in Boston on Thursday. He was full of enthusiasm—and wished to know if we had noticed how Michell had laid all over them at the Sweet Pea Show. We will have to look this up. More important than a ball game. From Boston he goes West on his career of conquest.

When you meet our Dr. Lane next ask him about his speech at the Farquhar banquet on the wisdom of Epicurus and the lectures in the groves of Thessaly in ancient Greece—and their application to the high brows of modern Boston. The doctor knows how to strike the high key. Galen, Esculapius and Epicurus are not more familiar to him than modern Horticulture and its prophets. Wasn't he

raised in Nahant alongside the only Tom Roland?

Visitors: Mrs. Wolf, Savannah, Ga.; H. L. Holmes, Harrisburg, Pa.

WASHINGTON NOTES.

Otto Bauer is spending the weekend with his wife and family at Atlantic City.

The Florists' Exchange has removed from its old quarters at 1214 H street, N. W., to 1213 Eye street, N. W.

A. F. Faulkner, known throughout the country as a correspondent for the florists' papers and as a carnation grower, has given up the latter work to again tackle the newspaper game. For the past few years Mr. Faulkner has been with Alexander B. Garden of Anacostia.

Will Fisher, with the Washington Florists' Company, has gone to Atlantic City where he will spend the month of August. Miss Elinor Carpenter, of the same firm, leaves the first of the month for Wildwood, N. J., and shortly afterward J. Harper Hetherington goes to Atlantic City.

Fred Kramer, while trying to train a snake, an eight-foot python, for the snake exhibition to be given by the Florists' Club of Washington at the annual outing, narrowly escaped what might have been a serious accident. Everything was going on all right until a barking pup tried to get in the center of Ed. Schmid's bird store where the practicing was taking place, and snapped at the big snake. The reptile whizzed straight out for the pup but his aim was spoilt by Mr. Kramer who grabbed him by the neck. Fred did not hold the snake's head far enough away from his own body with the result that when they pried the snake's jaws apart one of its teeth remained in the fleshy part of the florist's leg. Nothing daunted, Mr. Kramer says the real exhibition will take place per schedule.

PROVIDENCE NOTES.

James Hockey of Pawtucket is on the sick list.

T. O'Connor and family are at Narragansett Pier for the summer.

H. Howard Pepper of this city is spending the summer at Buttonwoods.

N. D. Pierce, agent of the Norwood Floral Company, who has been confined to his bed, is able to be out again, although he is far from being a well man.

The Smith Floral Company, 408 North Broadway, East Providence, has accepted plans for a new house, 35 x 100, which will be added to their range within a short time. The contract has been let to Lord & Burnham Co.

McNair has a novel window display at the corner store which has attracted considerable attention the past week. The setting shows a picturesque scene of evergreens surrounding a pond in which a number of ducklings are swimming about and roaming through the spruce and evergreen shrubs.

Asters made their first appearance in the local market last week, a few of the growers just starting to harvest this crop of blooms. As may be expected the quality is poor, but they are bringing \$2.00 per 100, which is considered a good figure. There are a few roses in the market. S. A. G.

Boddington's "Quality" Christmas- Flowering Sweet Peas

We are Super-Headquarters

All true stocks of Winter-flowering Sweet Peas will be scarce this season. Some varieties are a total failure owing to the exceptional season in California this Spring. Our advice to intending planters is to order at once. Mr. Wm. Sim, Cliftondale, Mass., the great winter sweet pea specialist sows our seed almost exclusively.

Our stocks of Christmas-flowering Sweet Peas have stood the test for years, and we can refer you to the largest growers of this increasingly popular flower, as to the trueness and quality of our seed, earliness of blooming period and strength and habit of plants.

The following varieties are the "best by test" and include Zvolanek's and our own introductions, grown for seed from selected stocks by the leading California grower and specialist in Sweet Peas.

Our output last year was nearly 3000 lbs. Few kicks and plenty of testimonials as to quality, germination and trueness to type.

On the varieties preceded by a * we can make immediate delivery.

FILL OUT COUPON BELOW AND RETURN

Quantity

-***BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD.** An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year; name on application. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.
-**BODDINGTON'S CHRISTMAS PINK.** This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.
-***BODDINGTON'S CHRISTMAS WHITE.** A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.
-**ANGELINO.** Self pink; new variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$4.50.
-**CANARY.** Similar to the above, but flowers of an exceptionally good yellow. Oz. 35 cts., ¼ lb. \$1.00, ½ lb. \$1.75, lb. \$3.00.
-**CHRISTMAS CAPTAIN.** Blue and purple. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.
-**CHRISTMAS METEOR.** Scarlet; fine open red flower. Oz. 35 cts., ¼ lb. \$1.00, ½ lb. \$1.50, lb. \$2.50.
-**CHRISTMAS STELLA MORSE.** Creamy buff standard, wings slightly tinged with pink. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$4.50.
-**FLAMINGO.** Color scarlet; free-flowering and early. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.
-***FLORENCE DENZER.** Pure white. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.
-***LE MARQUIS.** This is the same color as Princess of Wales, violet; has very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.
-***MRS. ALEX. WALLACE.** Lavender; very scarce. Oz. 25 cts., ¼ lb. \$1.00, ½ lb. \$1.50, lb. \$2.50.
-**MRS. CHAS. H. TOTTY.** Sky-blue. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.
-**MRS. F. J. DELANSKY.** Daybreak pink. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.25, lb. \$4.00.
-**MRS. GEO. LEWIS.** Large, pure white, wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.
-***MRS. E. WILD.** Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.
-**MRS. HANNAN.** Deep rose-pink; very pleasing shade. Oz. 40 cts., ¼ lb. \$1.25, ½ lb. \$2.00, lb. \$3.50.
-**MRS. W. W. SMALLEY.** Satiny pink. Oz. 35 cts., ¼ lb. \$1.00, ½ lb. \$1.75, lb. \$3.00.
-**MRS. WILLIAM SIM.** Salmon-pink. Oz. 30 cts., ¼ lb. \$1.00, ½ lb. \$1.50, lb. \$2.50.
-**MRS. ZVOLANEK.** Blue, variegated. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.
-**MISS HELEN M. GOULD.** White, open flower; standard lilac, marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.
-***MISS JOSEY REILLY.** Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.
-**WALLACEA.** Fine lavender; a grand florists' variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.
-***WATCHUNG.** Pure white. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.
-**WM. J. STEWART.** Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

All other varieties of Winter and Summer-flowering Sweet Peas supplied. Write for quotations. 5 per cent. may be deducted if cash accompanies the order.

Name.....

Address.....

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St.
New York City

DINNER TO J. K. M. L. FARQUHAR.

On Thursday evening, July 18th, at Young's Hotel, Boston, there occurred one of the most interesting and enjoyable occasions possible—a fraternal “welcome home” to J. K. M. L. Farquhar by a few of his horticultural friends. This laudable event had been planned to take place at the time of Mr. Farquhar's return from the Royal International Exhibition where he had served as a member of the jury, but it was postponed on account of the illness and death of Mr. Pettigrew, one of Mr. Farquhar's warmest friends.

The repast was one worthy of the occasion and the after-dinner speeches were eloquent and sincere, voicing the esteem in which the guest of the evening is held in the hearts of his associates at home and far away. The table was beautifully adorned by Ed. MacMulkin with Lady Gay roses and sweet peas presented by Thomas Roland and William Sim, respectively. The basket of roses which formed the central feature was one of the most artistic triumphs in floral arrangement ever seen here.

Wm. J. Stewart officiated as toastmaster and every one of the gentlemen present, except a few who had to catch trains before their turn came around, responded to the toastmaster's invitation with words befitting the occasion.

The first one called upon was the guest of honor, Mr. Farquhar. His response was characteristically happy and appreciative. A silent toast to the memory of J. A. Pettigrew and W. R. Smith was then drunk standing. Then came Robert Craig, silver-tongued as ever as he voiced his tribute to Boston and its horticultural fraternity. Col. W. W. Castle eloquently expressed his recognition of the advanced position American horticulture is achieving through the genius and industry of such men as John Farquhar.

W. A. Manda, introduced as a man “who does things,” received a rousing reception and declared that Mr. Farquhar is the type of horticulturist we need in America to help raise the standard to its proper place. M. A. Patten gave some interesting reminiscences of the visit to England and was followed by E. H. Wilson, who told of the respect and honor he entertained towards the guest of the evening, with whom he had enjoyed a long and loving acquaintance. Winfried Roelker made a most charming speech filled with affectionate sentiment. F. R. Pierson, who was the next to be called upon, spoke reminiscently of the hearty good fellowship he had shared with Mr. Farquhar in their association in the planning of the National Flower Show of 1911 and was both eloquent and witty.

Then came George C. Watson, who was given a dual introduction, Robert Craig supplementing the toastmaster with some descriptive remarks on the characteristic traits of that gentleman. Mr. Watson said he was proud to be one of those to be present to add his loving tribute on so appropriate an occasion. Jackson Dawson added sincerest words of praise and referred particularly to the new Chinese plants discovered by Wilson, in the introduction of which to America Mr. Farquhar had been a conspicuous factor. E.

NORTH CAROLINA Natural Peach Pits

**WE ARE THE LARGEST SHIPPERS
OF PEACH SEED IN THE SOUTH.**

Our Seed is Guaranteed to Give Satisfaction

We have a fairly good crop, and will book a limited quantity for delivery in August, September or October. Can furnish recommendations from the best Nurserymen throughout the North and West as to the kind of seed we ship and our responsibility. **Write Us for Prices.**

J. K. Morrison Grocery & Produce Co.

Successors to
Morrison Produce & Provision Co.

Statesville, N. C.

Please mention Horticulture when you write.

H. Wilson followed in further approving comment on this subject and gave some very interesting facts in connection therewith.

Secretary Rich spoke for the Massachusetts Horticultural Society in cordial recognition of the great men who have through the medium of this organization done so much to make American horticultural history. Dr. Peter Lane made a telling speech embellished with anecdotes and then came Chas. Sander, whose speech was one of the gems of the evening in its ingenuousness and sincerity. H. E. Bates was the next to add his contribution to the general congratulation and following him was P. Welch, impressive and witty as always. Mr. Welch spoke of Mr. Farquhar as an industrious and persistent worker, an international factor of today in the world's horticultural progress.

“A king in his calling, a man among men,” was the burden of some original verses recited by F. H. Sargent. Thos. J. Grey expressed his long-time friendship in humorous vein, and next came a clever talk, merry and contagious, by W. P. Edgar. E. Allan Peirce and Edward MacMulkin followed with words of appreciative congratulation. Duncan Finlayson's vigorous and outspoken sentiments of high esteem, drew forth a great outburst of applause. M. H. Norton referred to the prominent part taken by Mr. Farquhar in the Boston exhibitions for many years and his unselfish attitude in all horticultural work. Then as a fitting climax to the eloquence of the evening came Robert Cameron's loving tribute to his friend and co-worker. It was a stirring valedictory. A graceful closing response from Mr. Farquhar followed and it was just midnight when the inevitable “Auld Lang Syne” marked the end of an evening of rare pleasure.

Cordial letters were received from a number of gentlemen who were unable to be present, among these being C. H. Totty, C. W. Hoitt, C. H. Breck, John Westcott, and others equally well-known.

A PROPOSED MEMORIAL TO W. R. SMITH.

Editor HORTICULTURE:

I noticed in last week's issue of one of the trade papers a suggestion from Harry Papworth of New Orleans, that it would be a fitting tribute to the late Wm. R. Smith to have a suitable monument erected to his memory at Washington, and I want to say I believe the Society of American Florists and kindred organizations and individuals could do no greater honor to themselves than by honoring Wm. R. Smith with a suitable lasting memorial to be erected at the national capital, where he spent more than sixty years of his life at the head of the United States Botanic Gardens. A more liberal, broader, or more self-sacrificing horticulturist never lived than that truly grand old man.

The thought occurs to me at this time, that for many years previous to Mr. Smith's death, it was his ambition and desire to live long enough to see a permanent home established in the national capital for the Society of American Florists and Ornamental Horticulturists. He also desired very much that a horticultural library should be established in this home on which florists from all over the United States and Canada could draw for information, bulletins, etc. I really cannot think of anything that would do the Society and the trade in general more good than a fitting home at the national capital that could be a memorial to the “Father” of our charter. Personally, I am willing to give time and money toward this worthy cause. I hope this matter will be taken up at the forthcoming convention in Chicago that we might hear different views expressed on this subject.

WM. F. GUDE.

Washington, D. C.

INCORPORATED.

Wilmington, Del.—St. Andrews Bay Nursery & Orchard Co., capital stock \$250,000. Incorporators, William J. Malone, Herbert E. Latter and E. E. McShinney.

Seed Trade

Crop Report from Holland.

Crop report of Holland seeds, from Sluis & Groot, states the following conditions:

Cauliflower: Prospects in general very good.

Cabbage, Red Cabbage, Savoy, Brussels Sprouts and Borecole: Small acreage planted in consequence of the drought. Plantations severely damaged by frost; a very small crop expected.

Turnips and Swedes: A large area was sown, but nearly all was destroyed and these items are almost a perfect failure.

Kohlrabi: A small acreage planted and severely damaged by frost; a very small crop expected.

Mangels, Sugar-beets and Beets: Acreage very small; in general we expect a small crop, especially of the turnip-rooted beets.

Radish and Winter-Radish: Some varieties are expected to run short. Present stand generally very good.

Onion: Small area planted. Prospects satisfactory up to now.

Garlic Bulbs: Promise a moderate crop.

Celery: Very small plantation, mid-dling stand.

Parsley: Almost perfectly lost. Prospects very poor.

Chervil: About 9-10 of the area sown was lost.

Spinach: A large acreage was sown originally, but much had to be plowed up. Present stand in consequence of frequent rains very luxuriant, so that a middling crop may be expected.

Cucumber: Area planted satisfactory. The conditions were not very favorable these last two months. A report as to product cannot yet be given.

Peas: Some varieties were sown on a large scale. Others, however, especially the later varieties, hardly satisfactory. Prospects in general promising at present.

Beans dwarf, and running: The growth was retarded by rains and cold weather and it will all depend on further conditions whether we shall have a satisfactory crop.

Broad Beans: Usual acreage planted. Stand satisfactory up to now.

Parsnip: Small area planted. Prospects pretty good.

Scorzonera. In case the weather does not improve, the produce will be very small.

Cornsalad. As regards Dutch large-seeded prospects are satisfactory; the weaker varieties were almost entirely lost.

Flower seeds: Early conditions very favorable. Further development and product depends on the weather from this date to harvest. That the early flowering varieties as forget-me-nots, etc., which are ripening during a wet spell, do not promise a good crop. As to biennials, same were under the same drawbacks as the biennial vegetables so that only a small area was left.

The Burnham Bill.

Editor HORTICULTURE:

Dear Sir:—I note in your issue of July 20th on page 85 that you state that the Senate Committee on Agriculture made a favorable report on Sena-

tor Burnham's Bill authorizing the Secretary of Agriculture to create a Horticultural Commission with power to enforce quarantine regulations against plant diseases and insect pests. I think you are misinformed on this, because on the 17th inst. Senator Chamberlain of Oregon did report an amended bill as a substitute for Senator Burnham's Bill in the Senate, and asked for immediate consideration under the unanimous consent rule. Opposition, however, appeared for two reasons: first, a lack of desire to spend time on the measure; and second, because of the severe penalties imposed by the bill. Whereupon, Senator Chamberlain asked to have the bill referred to the Committee on Agriculture and Forestry for the purpose of making amendments to comply with the ideas of the Senators.

The above bill is entirely similar to House Bill 24,119, except that the appropriation is made immediately available and the enforcement of the Act, except in certain particulars, is postponed to October 1st, 1912. The House Bill has not been acted upon, but on July 18th the House Committee on Rules offered a resolution, amended by Mr. Mann to include H. R. 24,119, giving right of way over all other bills on the calendar except appropriation, tariff bills, and conference reports, which resolution was adopted.

Yours truly,

CURTIS NYE SMITH.

Notes.

St. Joseph, Mo.—W. C. Kennedy, seedsman, has moved from Tenth street and Frederick avenue to 412 Felix street.

Bridgeport, Conn.—A three-story seed house is to be built by F. H. Woodruff & Sons, the contract having already been let.

East Newark, Ohio—Osborn & Kerr, seedsmen, have dissolved partnership and the business will hereafter be known as the C. S. Osborn Co. Mr. Kerr retires from the business.

F. R. Cooper, of F. Cooper, Ltd., Wellington, New Zealand, visited Boston this week. Mr. Cooper talks interestingly of sweet pea culture in that far-away country. He says that they plant in fall (which is April with them), and transplant in September, making trenches three feet deep with a foot of animal manure in the bottom. The plants grow ten feet high and produce flowers from 2¼ to 2½-inch spread and with stems 22 to 24 inches in length. The choicer varieties are shaded from the sun when in bloom.

PATENTS GRANTED.

- 1,031,688. Cultivator Rake. Frank H. Chase, Chicago, Ill.
- 1,031,713. Transplanting Pot. William C. Hills, Sandpoint, Idaho.
- 1,031,941. Tree Guard. Ira Clifford Lanham, Washington, D. C., assignor to Charles J. O'Neill, Washington, D. C.
- 1,032,118. Motor Plow. Otto Czaran, New York, N. Y.
- 1,032,132. Fertilizer-Distributor. Chas. Gormley, Mount Morris, N. Y.
- 1,032,184. Flower Holder. Mary Bugla, Frederick, Colo.

Horseshoe Brand Lily Bulbs

Prices for Cold Storage Bulbs, f.o.b. New York.

GIGANTEUM.

8/10 in.	at \$25.00 per case of 250 bulbs.
10/11 in.	at 22.50 per case of 150 bulbs.
11/12 in.	at 22.00 per case of 130 bulbs.
11/13 in.	at 22.00 per case of 120 bulbs.

No other sizes for sale.

Prices for fresh bulbs—fall delivery, 1912.

GIGANTEUM.

Size.	Case	Per	Per	Per
	Contents.	Case.	1,000.	10,000.
6/8 in.	400	\$16.00	\$35.00	\$320.00
7/9 in.	300	18.00	50.00	480.00
8/10 in.	250	22.50	90.00	800.00
9/10 in.	200	22.00	110.00	1000.00

FORMOSUM.

Size.	Case	Per	Per	Per
	Contents.	Case.	1,000.	10,000.
6/8 in.	400	\$16.00	\$40.00	\$350.00
7/9 in.	300	18.00	60.00	480.00
8/10 in.	250	20.00	80.00	750.00
9/10 in.	200	17.00	85.00	800.00

7/9 in. chiefly red-stems, at \$21.00 per case of 300.

MULTIFLORUM.

Size.	Case	Per	Per	Per
	Contents.	Case.	1,000.	10,000.
6/8 in.	400	\$16.00	\$40.00	\$350.00
7/9 in.	300	15.00	50.00	480.00
8/10 in.	250	20.00	80.00	750.00
9/10 in.	200	18.00	90.00	850.00

STEPHENS HARRISII.

5/7"	400	\$12.00 cash, \$15.00 per case on credit.
6/7"	335	13.00 cash, 14.00 per case on credit.
7/8"	200	15.00 cash, 16.00 per case on credit.

Prices on other sizes and varieties upon application. All prices duty paid, f.o.b. New York. Japan bulbs for fall shipment can also be delivered at same prices, f.o.b. Chicago, Cincinnati, Pittsburgh, Memphis, or Pacific Ports. Send for the Book of Bulbology.



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Not How Cheap
But How Good

FERNS IN FLATS

Well Established—Clumps Can Be Divided.

The following varieties are offered for early shipment by express:

Pteris Wimsetti Pteris Adiantoides
Pteris Wilsoni Pteris Wimsetti Multiceps
or Nobilis Pteris Serrulata Variegata
Pteris Mayii Cristata
Pteris Hastata Pteris Cretica Albo-Lineata
Pteris Magnifica Cyrtomium Falcatum
Pteris Serrulata Aspidium Thussimense

\$2.00 per flat—20 flats or more \$1.75 per flat.

Price F. O. B. New York (no cartage).

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CHILDS' GLADIOLI

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SUPERIOR MERIT

John Lewis Childs

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JAPANESE LILIES

LILY OF THE VALLEY PIPS

PALMS, AZALEAS, &c.

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GREENHOUSES BUILDING OR CON- TEMPLATED.

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Oaklawn, R. I.—J. Kopelman, one house.
Cortland, N. Y.—W. D. Gates, house 18 x 35.
Shively, Ky.—W. H. Leeming, house 35 x 150.
New Albany, Ind.—A. Rasmussen, one house.
Williamston, Mich.—Claude Going, one house.
Fairhaven, Mass.—Peter Murray, orchid house.
Cincinnati, Ohio—Ed. Fries, Fort Thomas, one house.
Kingston, Pa.—Benjamin F. Dorance, house 35 x 550.
Bloomington, Ill.—John R. Gee, Robinson street, rebuilding.
Dedham, Mass.—R. & J. Farquhar & Co., two houses 18 x 135.
Watervliet, N. Y.—William W. Hannell, rose house 30 x 150.
Springfield, Mo.—Springfield State Normal School, one house.
East Providence, R. I.—Smith Floral Co., carantion house 35 x 100.
Bloomington, Ill.—A. J. Graves, 301 East Miller street, one house.
Philadelphia, Pa.—George I. Bodine, Hampton avenue, one house.
Louisville, Ky.—Louis Kirch, Texas and Lydia avenues, one house.
St. Paul, Minn.—H. J. Puvogel, Grand avenue, rebuilding four houses.
Brattleboro, Vt.—Carl S. Hopkins, Western avenue, house 32 x 100.
Oneco, Fla.—Royal Palm Nurseries, one greenhouse, one lath house.
Philadelphia, Pa.—Mrs. Thomas B. Homer, Crittenden street, one house.
Indiana, Pa.—S. T. Shaffer and Earl H. Snyder, four houses, each 30 x 150.
Ansonia, Conn.—John W. Willis, Cottage avenue, rebuilding range of houses.

NEWS NOTES.

St. Louis, Mo.—Grimm & Gorley, florists, have reduced their capital stock from \$30,000 to \$20,000.
South Rockford, Ill.—The greenhouse of Edwin Dempsey has been purchased by Leake & Offord.
Grand Rapids, Mich.—Peter Custerhouse has started a greenhouse supply business at 1419 North Lafayette street.
Bangor, Me.—McCabe Bros. have dissolved partnership, but Robert F. McCabe will continue the nursery business at Machiasport.
New Orleans, La.—The lower floor of 129 Carondelet street has been leased by M. Cook's Sons, nursery-



"THE KENILWORTH STRAIN" of GIANT PANSY SEED

Must not be compared with the flimsy Trimardeau

It is much larger and of good substance; the immense flowers, of 3½ to 4 inches, are of perfect form, and every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. The Stock Plants are most critically selected. It is rich with shades of brown, bronze, red, mahogany, and many others too numerous to mention. Light, Medium or Dark Mixtures. Read what Growers say about my strains of Pansy Seed in HORTICULTURE of July 20.

1912 SEEDS NOW READY

2000 seeds, 50c.; 5000 seeds, \$1.00;
¼ ounce, \$1.25; ounce, \$5.00.

PANSIES IN SEPARATE COLORS.

Per 1000 Seeds
Giant Adonis, beautiful light blue...25c
Giant Emperor William, ultramarine blue...25c
Giant King of the Blacks, coal black...25c
Giant Lord Beaconsfield, violet, shading to white...25c
Giant Golden Queen, yellow...25c
Giant Golden Yellow with dark center...25c
Giant Masterpiece, beautifully ruffled, with a wide range of color...25c
Giant White, very fine...25c
Giant White with large violet center...25c
Giant Red, a fine mixture of red shades...25c
Giant Royal Purple, fine large flower...25c
Giant Orchid-flowering, rare shades...25c
Giant Bronze and Copper Shades...25c
Giant Light Blue, delicate shades of blue...25c
Giant Dark Blue, deep blue shades...25c
Giant Zebra Mixed Shades, striped...25c

Preceding 16 Sorts Mixed, in equal proportions, per 1000 seeds, 25c; any 5 pkts., \$1.00; any 11 pkts., \$2.00.

The Rainbow blend is grown from the latest introductions of giant pansies of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send 1000 of Rainbow free, and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds }

LEONARD SEED CO.

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Write for Prices

POINSETTIAS 2 1-2 in. strong, \$5 per 100;
\$45 per 1000
CYCLAMEN SEED the celebrated English strain, \$9 per 1000
PANSY SEED, home-grown, finest giant strain, \$5 per oz.
Send for Catalogue.

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1215 Betz Bldg. Philadelphia.

PRINTING

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men and florists, of 143 Baronne street.

Minneapolis, Minn.—A very severe hail storm damaged the greenhouses of Frank Greenberg on July 12. A great part of the glass was broken and the place flooded. The Hiawatha Gardens Co., University and Bedford avenue, lost about 200 lights. The Minneapolis Floral Co., Calhoun Boulevard and 36th street, lost about 1,000 lights but no stock. O. H. Carlson, 1903 22nd avenue, N. E., lost about 400 lights, and H. Rosacker about 200 lights.

HIGH GRADE SEASONABLE FLORISTS
SEED. LATEST CROP.

Price list free on request.

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Place Your Order Now For
AYRES' WINTER FLOWERING
SWEET PEA SEED

For Fall Delivery

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"Renowned Sweet Pea Specialists"

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Independence, Mo.

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RICKARDS BROS.

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Chestnut Hill, Pa., May 25, 1912.
To prove quality to myself I have been making tests of various sow-
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England. Am pleased to be able to say, "Your Giant Exhibition Strain of
Pansy is by far the best." They are simply magnificent in color and size
and have a good long stem. They are far ahead of any other. Thinking
this might interest you, I am penning these lines.

Yours very truly,
STEPHEN AGER.

MICHELL'S GIANT EXHIBITION PANSY

All the eloquence of our pen could not add a single word to the above
unsolicited testimonial which would help to state more clearly the facts
of this "distinctive" strain of pansies.

30c per ½ Trade Pkt.; Full Trade Pkt., 50c;
75c per ¼ oz.; per oz., \$5.00

Also all other standard strains in mixtures and separate colors.
Our Wholesale Catalogue mailed upon request.

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518 MARKET ST., PHILA., PA.

SCOTCH SOOT

Imported

For slugs and other parasites
112 lb. Bag, \$3.00

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LILY OF THE VALLEY PIPS

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250 \$4.50 500 \$8.50 1000 \$16.00

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For Early Sowing

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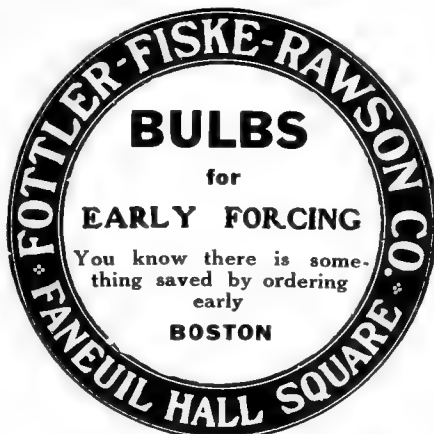
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CABBAGE, Wakefield, Succession, All
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NEW CROP NOW READY.

Per 1000 seeds, \$1.50; 5000 and up @
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CYCLAMEN GIGANTEUM SEED

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Contract growers of Cucumber, Can-
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Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

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761 Fifth Ave., Cor. E 58th St.

NEW YORK CITY

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304 Main Street, Buffalo, N. Y.

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THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

Of Interest to Retail Florists

Seattle, Wash.—The H. B. Burdett Co. have closed their store at 906 First avenue.

Denver, Colo.—The store of the Denver Floral Co., 504 Sixteenth street, has been closed.

Muncie, Ind.—Joseph McKinley has bought the interest of Lewis King in the Muncie Floral Co., North Madison street.

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow....Aug. 2
American.

St. Louis, N. Y.-S'hampton...Aug. 2
Philadelphia, N. Y.-S'hampton...Aug. 10

Atlantic Transport.

Minnehaha, N. Y.-London....Aug. 3
Minnewaska, N. Y.-London...Aug. 10

Cunard.

Caronia, N. Y.-Liverpool....July 31
Franconia, Boston-Liverpool...Aug. 6
Lusitania, N. Y.-Liverpool...Aug. 7

Hamburg-American.

Kaiserin Aug. Vic., N.Y.-H'bg...Aug. 1
Pres. Grant, N. Y.-Hamburg...Aug. 8

Holland-America.

Ryndam, N. Y.-Rotterdam...July 30
Rotterdam, N. Y.-Rotterdam...Aug. 13

Leyland.

Canadian, Boston-Liverpool...Aug. 3
Bohemian, Boston-Liverpool...Aug. 10

North German Lloyd.

Kaiser W. derG., N.Y.-Br'm'n July 30
Princess Irene, N. Y.-Med't'n Aug. 3
Kron. Cecilie, N. Y.-Bremen Aug. 6
Geo. Washington, N.Y.-B'men Aug. 10

Red Star.

Vaderland, N. Y.-Antwerp...Aug. 3
Lapland, N. Y.-Antwerp...Aug. 10

White Star.

Arabic, Boston-Liverpool....July 30
Baltic, N. Y.-Liverpool....Aug. 1
Majestic, N. Y.-Southampton Aug. 3
Cedric, N. Y.-Liverpool....Aug. 8
Oceanic, N. Y.-Southampton Aug. 10

Corry, Pa.—A. W. Warren has purchased the Corry Floral Co., 16 West Columbus street, and will continue the business.

St. Paul, Minn.—Fred Topel, who formerly leased the greenhouses of C. Bussjaeger, has purchased the retail store of Otto Hiersekorn, 191 East Seventh street. C. Bussjaeger has again taken the management of his plant and is remodeling it.

NEW FLOWER STORES.

Bellevue, Ohio—Davis Floral Co.

Alameda, Cal.—Leroux & Van, 1916 Encinal avenue.

Quincy, Ill.—F. W. Heckenkamp, Jr., St. James Hotel.

St. Paul, Minn.—L. Anderson, Schubert Theatre building.

Seattle, Wash.—Queen City Floral Co., East Union street.

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571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Deliver orders from any part of the country to

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76 MAIDEN LANE

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY AND VICINITY

ALBANY, N. Y.

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Flowers or Design Work

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Amsterdam, N. Y.

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Established 1874.

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Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardards.

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Less Ice With Better Results

The McCray System of Refrigeration, which insures a perfect circulation of cool, dry air, will not only reduce your ice bills, but will keep your stock in the best condition—fresh, fragrant and attractive.

McCray Refrigerators

Are made so as to display your flowers to the best advantage. They can be lined with white enamel, opal glass, tile, mirrors or marble to suit your convenience. Write for our beautiful Free Catalog No. 72, which shows refrigerators for florists, both stock and built-to-order, in all sizes and styles.

McCray Refrigerator Co.

353 LAKE STREET

KENDALLVILLE, IND.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

BOSTON'S BEST In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

CARBONE

Member Florists' Telegraph Delivery

342 Boylston St., Boston

Vases, Garden Furniture, Art Goods and New Designs in Tuscan Baskets for Florists' Use, in Wholesale Department.

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Delivers to all Points in New England.
185,000 square feet of glass.

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Narragansett Pier and All Other Rhode Island Points

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25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists Telegraph Delivery

Of Interest to Retail Florists

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosary, 72 Maiden Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.

Boston—Penn, the Florist, 37-43 Bromfield St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Philip L. Carbone, 342 Boylston St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Indianapolis, Ind.—Florists' Telegraph Deliveries, 241 Massachusetts Ave.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Washington Sq.

New York—George M. Stump, 761 Fifth Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

Providence, R. I.—T. J. Johnston & Co., 171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main St., West.

Rochester, N. Y.—J. B. Keller & Sons, 25 Clinton Ave., N.

St. Paul—Holm & Olson, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F. St.

Wellesley, Mass.—Tailby.

Worcester, Mass.—H. F. A. Lange.

Oregon City, Ore.—H. Hughes, of Wilkinson & Hughes, florists, Gladstone avenue, has sold his interest to James Wilkinson.

PROVIDENCE, R. I.

and all **T. J. JOHNSTON & CO.**
New England Points 171 Weybosset Street, Providence

BOSTON, MASS.

Penn the Florist

"Penn, The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET



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D. C.**

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Member Florists' Telegraph Delivery.

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Flower Deliveries in
ROCHESTER, N.Y.

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38 MAIN STREET, WEST.

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Euclid Avenue

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegram order for any occasion, in any part of the Dominion.

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96 Yonge St., - - Toronto, Ont.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3.

FIELD GROWN GARNATION PLANTS

We have them in all stages. Some ready for delivery July 15th, others will be in good condition in August and September. You can place your order now, and we will ship them when you are ready for them. Complete list and quotations on request.

The Leo Niessen Co.

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N. W. Corner 12th and Race Sts., **PHILADELPHIA**

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THOSE
MADE
BY THE

Boston Florist Letter Co

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M. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

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MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG
WHOLESALE

CUT FLOWERS

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15 Province St., 9 Chapman Pl.,
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Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

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24 Stone St., Rochester, N.Y.

The **J. M. McCullough's Sons Co.**

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

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POEHLMANN BROS. CO.

Cut Flowers All the Year Round

33-35-37 RANDOLPH STREET,

Greenhouses, Morton Grove, Ill.

CHICAGO

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON July 25		CHICAGO July 23		ST. LOUIS July 23		PHILA. July 23	
Am. Beauty, Fancy and Special....	15.00	25.00	20.00	25.00	15.00	25.00	20.00	30.00
“ “ Extra.....	10.00	15.00	15.00	20.00	10.00	15.00	12.50	16.00
“ “ No. 1.....	6.00	8.00	10.00	15.00	8.00	10.00	8.00	10.00
“ “ Lower grades.....	1.00	4.00	4.00	8.00	3.00	4.00	1.00	6.00
Richmond, Fancy and Special.....	5.00	6.00	5.00	8.00	5.00	6.00	4.00	6.00
“ “ Lower Grades.....	.50	3.00	2.00	5.00	3.00	3.00	1.00	3.00
Killarney, Maryland, Fan. & Spl.....	3.00	6.00	4.00	6.00	5.00	6.00	4.00	6.00
“ “ Low. Grades.....	.50	1.00	2.00	4.00	2.00	3.00	1.00	3.00
Bride, 'Maid.....	.50	4.00	2.00	5.00	3.00	4.00	2.00	6.00
Taft, Hillingdon, Ward.....	1.00	6.00	4.00	6.00	3.00	6.00	6.00	8.00
Kaiserin, Carnot.....	3.00	6.00	2.00	6.00	3.00	5.00	6.00	8.00
CARNATIONS, First Quality.....	1.50	2.00	1.50	2.00	1.00	1.50	1.00	1.50
“ “ Ordinary.....	.50	1.00	.....	1.00	.50	.75	1.00	2.00
MISCELLANEOUS								
Cattleyas.....	.....	50.00	20.00	40.00	40.00	50.00	35.00	50.00
Lilies, Longiflorum.....	4.00	8.00	4.00	8.00	6.00	8.00	5.00	10.00
Lily of the Valley.....	2.00	3.00	2.00	4.00	3.00	4.00	1.00	4.00
Asters.....	.50	.75	2.00	3.00	1.00	3.00	.50	2.00
Gladioli.....	2.00	3.00	3.00	8.00	1.50	5.00	3.00	4.00
Daisies.....	.50	1.50	.50	1.50	.15	.35	.....	.....
Sweet Peas.....	.15	.50	.50	1.00	.15	.25	.25	.50
Gardenias.....	8.00	10.00	.....	.....	.....	.....	5.00	12.00
Adiantum.....	1.00	1.50	.....	.75	1.00	1.25	.75	1.00
Smilax.....	8.00	12.00	15.00	20.00	12.00	15.00	15.00	20.00
Asparagus, Plumosus, Strings (100).....	50.00	50.00	75.00	35.00	50.00	25.00	50.00
“ “ & Sprea. (100 bchs.).....	25.00	50.00	25.00	50.00	15.00	25.00	25.00	50.00

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82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

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30 East Randolph Street,

CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE.,

BETWEEN RANDOLPH
AND LAKE STREETS,

CHICAGO

Flower Market Reports

BOSTON The most noticeable feature of the market now is the shortening up of the rose supply. This is due to regular causes in part and also partially to the really cold nights we have been getting of late. American Beauty roses are of fair quality, but all the others run very low grade. Carnations are about at an end. Asters are coming in more freely and will no doubt drop down in price before long. Lily of the valley is selling poorly and considerable of it has been going to loss. Gladioli are very little in evidence in this vicinity, but they are good as far as they go. Seaside demand is not brisk as yet.

BUFFALO Trade was a little on the upward course for a few days, and a very satisfactory week ending was had. The heavy surplus has gradually moved away, and new life exists. Roses and carnations are shortened somewhat in supply, though they are not scarce, but much more satisfactory prices were obtained at the end of the week. Gladioli, home grown, are at hand, and asters are slowly coming. Lilies continue good. Recent rains have helped the aster situation and some good stock is expected soon.

CHICAGO Though far from active, Chicago market is not unusually depressed and florists are enjoying very fair mid-summer business. Prices will average low in comparison with last year but wholesalers say, the volume of business will cause a total to at least amount to as much as then, for stock has been more plentiful. Asters are getting to be more of a factor each week, the blooms being large for early varieties and colors good. Gladioli make good running mates for asters just now and if only high-class stock were grown, this regal flower would be even more popular. Mrs. Frances King is beginning to come in now, and with America and Augusta these three, red, pink and white, leave no chance with buyers for small off-color varieties. This will be the last week for peonies with most dealers and the season closes with a record for low prices and successful cold storage. There is the usual variety of summer flowers to select from besides roses, lilies, American Beauties, sweet peas, lily of the valley, etc., and plenty of first-class green.

CINCINNATI The redeeming feature of last week's market was the way stock in general cleaned up. There was not much to be had and very little really choice blooms among what was sold but nevertheless the fact that there was a practical clean-up was gratifying. The opening days of this week were very fair and showed that unless there is an extraordinary good demand, all the stock will hardly be taken up. Gladioli are coming in very much stronger. Asters, too, seemed to take a sudden spurt for large shipments of early white and pink arrived. Roses are on the increase in supply. The young cuts in most all varieties are beginning to come in, in addition to the regular summer roses. American Beauties sell nicely but there is a scarcity of long stock of quality. The cut of shorter

A MAGNIFICENT LOT OF FIELD GROWN CARNATION PLANTS



We are now booking orders for immediate delivery from stock selected and grown especially for us, which is in extra fine shape. Our guarantee goes with every Carnation Plant we send out, thus insuring to you the very best of quality and satisfaction.

	100	1000		100	1000
COMFORT	\$8.00	\$75.00	WASHINGTON	\$10.00	\$90.00
BEACON	8.00	75.00	ENCHANTRESS	7.00	60.00
HARLOWARDEN	6.00	50.00	PRINCESS CHARMING..	7.00	60.00
VICTORY	6.00	50.00	WINSOR	7.00	60.00
WHITE ENCHANTRESS	8.00	75.00	DOROTHY GORDON.....	7.00	60.00
WHITE PERFECTION..	8.00	75.00	PENNSYLVANIA	7.00	60.00
WHITE WONDER.....	10.00	90.00	VARIEGATED (Yellow)..	7.00	60.00
MRS. C. W. WARD.....	8.00	75.00	WINONA	7.00	60.00

ROSE PLANTS

Some very fine stock; guaranteed good healthy plants.
A special lot.

	100	1000		100	1000
OWN ROOT, 3 inch:			OWN ROOT, 2½ inch:		
White Killarney.....	\$8.00	\$70.00	Double White Killarney..	\$5.00	\$125.00
Double Pink Killarney..	8.00	70.00	GRAFTED, 3 inch:		
Pink Killarney.....	8.00	70.00	White Killarney.....	12.00	100.00
			Pink Killarney.....	12.00	100.00

RIBBONS AND SUPPLIES. Many new patterns in exclusive Ribbons. Write us for prices on these and on Supplies.

During July and August we will close at 5 P. M.

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1608-1620 Ludlow St.

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WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI July 23		DETROIT July 23		BUFFALO July 23		PITTSBURG July 23	
ROSES								
Am. Beauty, Fancy and Special....	20.00	to 25.00	20.00	to 25.00	15.00	to 20.00	15.00	to 25.00
Extra.....	15.00	to 20.00	15.00	to 20.00	10.00	to 15.00	10.00	to 12.00
No. 1.....	10.00	to 15.00	10.00	to 15.00	6.00	to 10.00	6.00	to 8.00
Lower grades	3.00	to 8.00	4.00	to 10.00	2.00	to 4.00	1.00	to 3.00
Richmond, Fancy and Special.....	2.00	to 6.00	6.00	to 8.00	4.00	to 6.00	6.00	to 8.00
Lower Grades	2.00	to 4.00	3.00	to 6.00	3.00	to 4.00	3.00	to 4.00
Killarney, Maryland, Fan. & Spl..	2.00	to 6.00	6.00	to 8.00	5.00	to 6.00	9.00	to 8.00
Low. Grades.....	2.00	to 4.00	3.00	to 6.00	3.00	to 4.00	3.00	to 4.00
Bride, 'Maid.....	2.00	to 4.00	3.00	to 6.00	2.00	to 6.00	3.00	to 4.00
Taft, Hillingdon, Ward.....	2.00	to 4.00	3.00	to 6.00	2.00	to 6.00	3.00	to 4.00
Kaiserin, Carnot	2.00	to 4.00	3.00	to 6.00	2.00	to 6.00	3.00	to 4.00
CARNATIONS, First Quality	to 1.50		to 3.00		to 1.50		to 1.50	
Ordinary	to 1.00		to 2.00		to 1.00		to 1.00	
MISCELLANEOUS								
Cattleyas.....	6.00	to 10.00	12.50	to 15.00	40.00	to 50.00	40.00	to 50.00
Lilies, Longiflorum.....	3.00	to 4.00	3.00	to 4.00	7.00	to 10.00	7.00	to 10.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Asters	1.00	to 3.00	3.00	to 5.00	1.00	to 2.00	1.00	to 3.00
Gladioli	3.00	to 5.00	3.00	to 5.00	4.00	to 5.00	2.00	to 6.00
Daisies	3.00	to 5.00	3.00	to 5.00	4.00	to 5.00	2.00	to 6.00
Sweet Peas	3.00	to 5.00	3.00	to 5.00	4.00	to 5.00	2.00	to 6.00
Gardenias	3.00	to 5.00	3.00	to 5.00	4.00	to 5.00	2.00	to 6.00
Adiantum	3.00	to 5.00	3.00	to 5.00	4.00	to 5.00	2.00	to 6.00
Smilax	3.00	to 5.00	3.00	to 5.00	4.00	to 5.00	2.00	to 6.00
Asparagus Plumosus, Strings (100)	45.00	to 50.00	25.00	to 40.00	40.00	to 50.00	25.00	to 40.00
" & Spreng. 100 bchs.	25.00	to 35.00	25.00	to 40.00	25.00	to 35.00	25.00	to 40.00

sizes seems just adequate. Lilies are only fair sellers. The supply of decorative greens is sufficient for all requests.

DETROIT With business at a practical standstill supply of flowers fully adequate, no matter how little, and quality very

poor with few exceptions, price quotations are rather problematical. A much longed for relief from the heavy strain of idleness came towards the end of the week when the funeral of a local merchant prince made heavy demands on most all of us.

(Continued on page 127)

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Successor to
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A Full Line of All CUT FLOWERS.
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NEW YORK QUOTATIONS PER 100 To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending July 20 1912		First Half of Week beginning July 22 1912	
American Beauty, Fancy and Special.....	6.00	to 20.00	15.00	to 25.00
" " Extra.....	3.00	to 5.00	4.00	to 10.00
" " No. 1.....	1.00	to 3.00	2.00	to 5.00
" " Lower Grades.....		to .50		to .50
Richmond, Chateaux, Extra and Special.....	2.00	to 3.00	2.00	to 4.00
" Lower Grades.....	.25	to 1.00	.25	to 1.00
Killarney, My Maryland, Extra and Special.....	2.00	to 3.00	1.00	to 4.00
" Lower Grades.....	.25	to 1.00	.25	to 1.00
Bride, Maid.....	.25	to 3.00	.25	to 3.00
Taft, Hillingdon, Ward.....	.25	to 5.00	.50	to 4.00
Kaiserin, Carnot.....	.25	to 5.00	.50	to 4.00
Carnations First Quality.....	.75	to 1.50	1.00	to 2.00
" Ordinary.....	.25	to .50	.50	to 1.00

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W. J. COWEE, Berlin, N. Y.
10,000...\$1.75. 50,000...\$7.50. Sample free
For sale by dealers

HARDY CUT FERNS
FANCY and DAGGER
Galax, Boxwood, Laurel
Roping, Wild Smilax, etc.
Hartford & McDonough
70 PEMBERTON SQ., BOSTON



Flower Market Reports

(Continued from page 125)

All stocks have been coming in much lighter this week, and as a consequence the hustle to get the goods has given one the impression that trade in the flower market is looking up. As a matter of fact trade is much about the same as last week i. e. generally dull. White flowers for which there is always a certain demand, have been short. Asters and gladioli have been the principal items on offer in quantity, and the quality has been good. Roses are very much off color, with practically none to be had. Lilies have gone up with a jump, easily realizing 6 to 8c.—somewhat of a difference from last week's dumping process.

Trade fair but

PHILADELPHIA not much if any above the average for previous seasons. Some good judges claim not nearly as good as this time last year. The latter part of the week was cool and that helped considerably. Asters and gladioli are the dominant features of the market. Asters, in spots are plentiful and in other places scarce. They have sold out clean, being as a rule preferred to carnations. But the big day of the aster, is yet to come. Wait until we get the mid-season and later varieties—big, refined, classy fellows with long stems—then you will see some asters. The early gladioli are coming in now in good shape and they are a vast improvement on the Southern. Much better varieties—clean, clear colors, and perfect as to condition. They meet with a ready market and the only surplus we have heard of was some lots that came in Saturday and missed the market. American Beauty roses are not plentiful. Demand fair. Locals nearly over—the best stock now arriving being Eastern grown. Maryland is the best pink rose. There are also good Killarneys, especially in the new double white and double pink strains. Mrs. Taft also holds out pretty good, and proves a fine warm weather rose. Carnations scarce and not extra as to quality. Other stocks normal and without special feature worthy of note.

Funeral work during the past week or two has been quite heavy but aside from this there has been little else doing. The stock

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

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WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending July 20 1912	First Half of Week beginning July 22 1912
Cattleyas	12.00 to 35.00	15.00 to 50.00
Dendrobium formosum	20.00 to 45.00	20.00 to 25.00
Lilies, Longiflorum	1.00 to 3.00	6.00 to 8.00
Speciosum	1.00 to 3.00	1.00 to 3.00
Lily of the Valley	1.00 to 3.00	1.00 to 3.00
Asters .....	.50 to 1.00	.50 to 1.00
Gladioli	1.00 to 4.00	1.00 to 4.00
Daisies .....	.50 to 1.00	.50 to 1.00
Sweet Peas (per 100 bunches)	1.00 to 3.00	1.00 to 3.00
Gardenias	10.00 to 25.00	10.00 to 25.00
Adiantum .....	.50 to .75	.50 to .75
Smilax	6.00 to 8.00	6.00 to 8.00
Asparagus Plumosus , strings .....	.. to 35.00	..... to 40.00
& Spren (100 bunches)	17.00 to 16.00	10.00 to 16.00

that is coming into the local market is not of the best and moves poorly and without price. There is enough Al stock coming in to meet all demands. During the past ten days rain fell in large quantities and considerable outdoor stock was beaten down and washed out. Some slight damage was done to a number of the houses.

ST. LOUIS

The market was in an excellent condition all during the last week. There is an abundance of stock of all kinds coming in and prices are low on gladioli. America, May, Augusta and Mrs. King are the best sellers. Asters are becoming more plentiful each day and a good consignment of carnations come in daily—roses are poor owing to the extreme hot weather and come in wide open unless cut very tight. A great many odds and ends of outdoor stock is now coming in for which there is very little demand.

NEW YORK NOTES.

E. G. Hill of Indiana arrived home from Europe on Friday last on the Mauretania.

A. T. Boddington is having a real busy time with Christmas sweet peas and hardy perennials. Mr. Hunt says it is more like a spring rush.

Hession is busy with planting preparations at Flatbush. He reckons putting in close to 80,000 carnations and is using two houses for chrysanthemums.

The attraction in Peter Henderson's window this week has been a pretty display of water lilies in variety. Three tanks are used, running water coming from a miniature water-wheel, the whole being neatly set off with ferns, palms and caladiums in pots.

CLUB AND SOCIETY NOTES.

President Pegler has appointed J. K. M. L. Farquhar, Jackson Dawson

and Wm. J. Stewart a committee of the Gardeners' and Florists' Club of Boston to draw up resolutions on the death of J. A. Pettigrew, who was an ex-president of the club.

J. D. Connors, Jr., of Wabash, has been elected president of the Northern Indiana Florists Association; Harry White of North Manchester, vice-president, and J. W. Wagoner of Columbia City, secretary-treasurer. Thirty-three members were present at the annual banquet.

THE Florists' Supply House of America

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1129 Arch St., Philadelphia, Pa.

CHINESE PRIMROSES

VERY BEST STRAIN. 2½ in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rates. ASPARAGUS PLUMOSUS for planting out. Extra heavy, 3 in., \$6.00 per 100; \$55.00 per 1000.

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. J. Dysart, 28 State St., Boston.
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To Close for Cleaning Pool, 20% for Cash With Order.

Water hyacinths, the oddest, most beautiful and valuable plants; extra strong, in the finest condition; \$5.00—100, \$35.00—1000; second grade, \$3.00—100, \$18.00—1000. Blooming water hyacinths make leaders at 25c. retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

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A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

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R. Vincent, Jr., & Sons Co., Whitmarsh, Md.
For page see List of Advertisers.

BIRD HOUSES.

Stumpp & Walter Co., New York, N. Y.
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BEGONIAS

Thomas Roland, Nahant, Mass.
Lorraine Begonia.
For page see List of Advertisers.
Begonia Lorraine, 2½-inch pots, \$12.00 per hundred; \$50.00 per five hundred. Begonia Cincinnati, \$20.00 per hundred; \$175.00 per thousand. Begonia Agathe, \$2.00 per doz., \$12.00 per 100; Begonia Turnford Hall, \$2.00 per doz., \$12.00 per 100; Begonia Betty Anderson, \$2.00 per doz., \$12.00 per 100; Begonia La Patrie, \$2.00 per doz., \$12.00 per 100. Immediate delivery. Julius Roehrs Co., Rutherford, N. J.

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Box Trees, all sizes. Ask for special list.

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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Henry F. Michell Co., Philadelphia, Pa.
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Ralph M. Ward & Co., 71 Murray St., New York.
Horseshoe Brand Lilies.
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James Vick's Sons, Rochester, N. Y.
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John Lewis Childs, Flowerfield, L. I.
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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
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Bulbs of all descriptions. Write for prices.
C. Keur & Sons, Hillegom, Holland.
New York Branch, 31-33 Broadway.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

CAPE JASMINE

Cape Jasmine, fine cuttings, 8 inch and over, ready for rooting; 100 \$1.00, 1000 \$8.00, prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

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Chicago Carnation Co., Joliet, Ill.
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CHRYSANTHEMUMS

R. J. Irwin, New York, N. Y.
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Elmer D. Smith & Co., Adrian, Mich.
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Chrysanthemum Maj. Bonnaffon, strong healthy and well rooted, \$15.00 per 1000 Cash. W. B. Garvin, Leola, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c. by Horticulture Publishing Co., 11 Hamilton Place, Boston

Chrysanthemums. Rooted cuttings, Bonnaffon, white and yellow; Merry Xmas; Glory Pacific; J. Nonin; Shaw; Halliday; Yellow Appleton; \$2.00 per 100. Cash. Charles H. Green, Spencer, Mass.

CHRYSANTHEMUMS—Continued

CHRYSANTHEMUMS. Rooted Cuttings and Soil.

All No. 1 stock. 500 each Smith's Advance and Lin. Hall, \$2.50 per 100. 5000 Rosette; 1000 each Touse, Halliday, Monrovia, Donatella and Pac. Supreme; 500 each Y. Jones, Mrs. Hurley and Baby; \$2.00 per 100; \$15.00 per 1000.
William Swayne, Kennett Square, Pa.

CHRYSANTHEMUM, THE. By A. Herrington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 160 pages. Price 50 cents.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

R. J. Irwin, New York, N. Y.
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Cyclamens, 3-inch pots, \$10.00 per 100; \$80.00 per 1000. Julius Roehrs Co., Rutherford, N. J.

Cyclamen, the finest strain money can buy, 3, 3½, 4 and 5-in. pots, \$10.00, \$15.00, \$20.00 and \$25.00 per 100. Cash with order William Hoffman, Pawtucket, R. I.

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

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Evergreen Brand Fertilizer.
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Guilverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

DOUBLE FARM CROPS. By restoring soil fertility with Shell-Marl Land-Lime, Wood Ashes Substitute, Ground Phosphate Rock, Basic Slag. Endorsed, recommended and used by experiment stations and leading farmers. Best results by applying in the fall. Send for catalogue. Vermont Marl Company, Brattleboro, Vermont.

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Choice Ferns.
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- Anderson's ferns for in and outdoors.**
Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.
- Boston Ferns, fine stock, for 6 in., 35c; for 4 in., 12c. Orders booked now for Boston and Whitman, young, \$20.00 per 100. Cash. A. E. Monroe, Wellesley Farms, Mass.**
- Adiantum cuneatum, 4 in., \$8.00 per 100. Wm. Capstick, Auburndale, Mass.**

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- 500 Geraniums, Nutt, Ricard, Poitevine and Buchner, \$50.00 per 1000, out of 3½ inch pots, packed to ship anywhere. Cash. Tomlinson, King Street, Dorchester, Mass.**

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IVIES

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In writing to Advertisers kindly mention Horticulture

LILIUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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MARGUERITES

Unrooted Alexandra marguerites, \$1.00 per 100. Winter flowering yellow marguerites, the right kind: unrooted, \$2.00 per 100; rooted, \$4.00 per 100. Cash. A. E. Monroe, Wellesley Farms, Mass.

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Fairfield Landscape & Nursery Co., New York, N. Y.
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Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS.
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ONION SETS

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Sander, St. Albans, England.

Importer, Exporter, Growers, Hybridists.
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John De Buck, New York, N. Y.
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Orchid Plants, fresh importations, best commercial varieties, reasonable price. John De Buck, care of Maltus & Ware, 14 Stone St., New York City.

ORCHID GROWERS' MANUAL.

By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and Orchid Culture ever published. Price \$10.00.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PALMS, ETC.

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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2 1/4 in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

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PEONIES.

Peonies. The world's greatest collection, 1200 sorts. Send for list. C. Betscher Canal Dover, O.

Peonies—The best French collections. Catalogues free. Dessert, Peony Specialist, Chenonceaux, France.

PLANT AND BULB IMPORTS.

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PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

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Poinsettias, 2 1/4 in., none better, \$5.00 per 100, 250 for \$10.00. Cash with order. W. Stertzing, 7280 Manchester Rd., St. Louis, Mo.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp. \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

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Asparagus Plumosus Nanus seeds now ready, per 1000, \$2.25; lots up to 5000, \$2.00 per 1000. Peter Mack, Box 172, Orlando, Fla.

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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

STOVE PLANTS

Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. Julius Reehrs Co., Rutherford, N. J.

STRAWBERRY PLANTS

P. H. Goodsell, New York, N. Y.
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VEGETABLE PLANTS, ETC.**CELERY PLANTS.**

100,000 strong, transplanted, in five best varieties, \$3.00 per 1000. Cash with order. BRYN MAWR FLORIST, YONKERS, N. Y. Tel. 1083.

200,000 extra fine celery plants, Giant Pascal, Golden Self-Blanching, White Plume. 20c. per 100; \$1.00 per 1000. Prompt shipments. John E. White, Waynesboro, Pa.

Celery Plants: 200,000 Self Blanching, 100,000 White Plume, large stocky, well rooted plants, \$1.25 per 1000. Have Pascal, medium sized plants, \$1.00 per 1000. Cabbage, Danish Ballhead, selected plants, \$1.00 per 1000. Special low prices on large orders for Cabbage plants. Cash please. W. C. Lester, Plainville, Conn. Wholesale Grower.

VENTILATING APPARATUS

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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

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Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
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"You can no more conduct business without advertising than you can farming without fertilizing."—Uncle Peleg.

New Offers In This Issue**CONVENTION ANNOUNCEMENT.**

M. Rice & Co., Phila., Pa.
For page see List of Advertisers.

CYCLAMEN GIGANTEUM SEED.

J. M. Thorburn & Co., New York, N. Y.
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FIELD-GROWN CARNATION PLANTS.

S. S. Pennock-Meehan Co., Phila., Pa.
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NATURAL PEACH PITS.

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PAINTS, GLAZING, PUTTY, GREEN-HOUSE WHITE.

Hammonds' Paint & Slug Shot Works, Fishkill-on-Hudson, N. Y.
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PANSY SEED.

Henry F. Michell Co., Phila., Pa.
For page see List of Advertisers.

Little Ads Bring Big Returns

Little ads. in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

CINCINNATI NOTES.

Mr. and Mrs. Tom Hardesty are visiting Detroit, Niagara and Fort Erie.

The J. M. McCullough Sons Co. have been receiving large shipments of gladioli and these have been moving nicely.

Wm. Gardner was down from New Castle over Sunday. He reports that nearly all the planting has been finished at P. J. Olinger's plant, of which he is manager there.

According to promises there should be a large delegation from this city for Chicago for the convention. C. E. Critchell, A. C. Heckman Jr., and E. G. Gillett are arranging for train accommodations. All interested should write either of them.

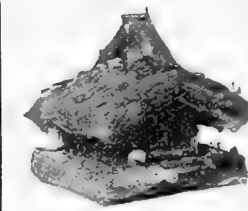
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Bring Back the Birds



While you are working out your ideal in the garden, why not provide a home for the birds that help to make life in the country really worth while? A rustic house placed in a tree or on a pole will make an ex-

cellent home for the birds and add to the attractiveness of the surroundings. We have them in all sizes and shapes to suit any style of architecture.

LOG CABIN NO. 1	10 Inches Wide	\$1.50
One-Family	10 Inches High	
LOG CABIN NO. 2	10 Inches Deep	\$2.50
Two-Family	12 Inches Wide	
LOG CABIN NO. 3	12 Inches High	\$3.50
Two-Family	14 Inches Wide	
	12 Inches Deep	
	17 Inches High	

Stump & Walter Co.

50 Barclay Street - New York City

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs. \$1.00 100 lbs. \$4.00 1000 lbs. \$27.00
50 lbs. \$1.50 250 lbs. \$6.00 5000 lbs. \$25.00

Stump & Walter Co. 50 Barclay St., New York

Cocoanut Fibre Soil

Put on thin will be all you need for a green lawn. Sow new grass seed with the soil. One ton for 1,200 square feet.

20th CENTURY PLANT FOOD CO.
27 & 29 Ocean St., Beverly Mass.

THE FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of 32,500,000 sq. ft. of glass

For particulars address

John G. Esler, Secy Saddle River, N. Y.

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POSITION NEAR BOSTON - Gardener and Florist, three years' general experience; one in America, two in old country. Single, sober, reliable. AX, care HORTICULTURE.

When writing to advertisers kindly mention HORTICULTURE.

HELP WANTED.

WANTED

Grower of Hardy Perennials

Man who understands their propagation and growing in a large way. Must have had commercial experience and be capable of handling men. Apply to

R. & J. FARQUHAR & CO.

6 South Market St., Boston

AN OLD ESTABLISHED manufacturer of greenhouses, etc., requires a first-class salesman principally to call on private estates. Write experience and salary wanted. "H. C." care HORTICULTURE.

FERTILIZER AGENTS WANTED-To handle Shell-Marl Land-Lime and other materials. Exclusive agency, liberal commission. Vermont Marl Co., Brattleboro, Vt.

FOR SALE

FOR SALE-Fresh from factory, new: 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME"

**Furnishes the
Most Nicotine for the Money**

...Manufactured by...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

LIQUID

OVER 40% NICOTINE

By far the

CHEAPEST.

JUST NOTE PRICE!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

D. D. JOHNSON'S CELEBRATED EVERGREEN BRAND Flower and Lawn FERTILIZER

Unrivalled for all horticultural and horticultural purposes.

GENUINE PLANT FOOD

For sale by leading dealers and jobbers everywhere.
Copyrighted and registered U. S. Patent Office, 1910.
All rights reserved by

UNITED FERTILIZER CO.

Manufacturers

143 N. Wabash Avenue,

CHICAGO, ILL.



To-Bak-Ine Kills Bugs

Catalogue of valuable information FREE

E. H. HUNT, 131 N. Wabash Avenue, Chicago



Guaranteed under the Insecticide Act, 1910. Serial No. 321

Save your plants and trees. Here is an insecticide that will positively destroy all insects—Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, etc. without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

$\frac{1}{2}$ Pint - - 25c; Pint - - 40c; Quart - - 75c
 $\frac{1}{2}$ Gallon, \$1.25; Gallon, \$2.00; 5 Gallon Can, \$9
10 Gallon Can - - \$17.50

Dilute with water 30 to 50 parts

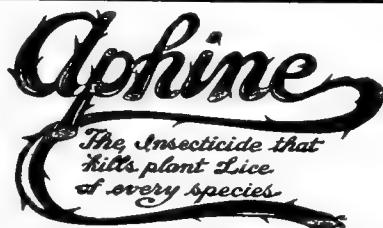
For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct

Lemon Oil Company Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package



The Recognized Standard Insecticide.
Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, red spider, thrips, mealy bug, brown and white scale.

Universally endorsed by commercial growers and professional gardeners of reputation, as the insecticide that does excel all.

\$2.50 per Gallon. \$1.00 per Quart.

FUNGINE

"Actions Speak Louder than Words." So we are willing to let the merit of this comparatively new fungicide speak for itself. We claim it has no equal for mildew, rust and wilt attacking flower, fruit or vegetable plants. A trial will convince you.

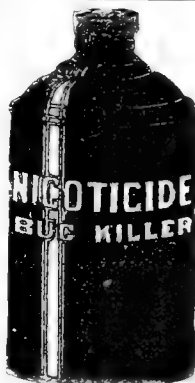
\$2.00 per Gallon. 75c. per Quart.
Aphine and Fungine are spraying materials, readily soluble in water, used at various strengths, according to directions on each can. They are equally effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN.

Manufactured by

Aphine Manufacturing Co., Madison, N. J.

M. C. EBEL, General Manager.



**The Best
Bug Killer and
Bloom Saver**

For PROOF

Write to

P. R. Palethorpe Co.

(Incorporated)

CLARKSVILLE, TENN.

In ordering goods please add "I saw it in HORTICULTURE."

A PAINT FACTORY AT YOUR COMMAND
Hammond's Paint and Slug-Shot Works,
Fishkill-on-Hudson, N. Y.
PAINTS FOR HOUSES, CHURCHES OR SCHOOLS,
FOR BARNs, BRIDGES, ROOFS OR BOATS.
COLCIMINE FOR WALLS.
"CARBOLIZED SHINGLE STAINS"
These stains prevent decay and will make any building or roof look nicely at quite a small cost. Write to or come and see
1875--BENJAMIN HAMMOND--1912



Green Flies and Black Flies Too are easy to kill with

"TIP-TOP" BRAND

Tobacco Powder

For fumigating or dusting. \$3.00 per bag, 100 lbs. Write for free samples. Money with order.

Interstate Tobacco Co., Inc.

1397-1399 Ave. A, NEW YORK

Money refunded if not satisfied. Beware of imitations. Territory open for live jobbers. Write for prices.

Imp Soap Spray

Effective one to thirty-two.

Single gallons, \$1.50

Eastern Chemical Company
BOSTON

POULTRY and FRUIT REVIEW

A publication on the farm journal that reviews all poultry and fruit papers in United States, will be sent on trial one year to all who send 16 cents, to pay wrapping and postage, and names of three fruit or poultry raisers.

THE REX COMPANY

HARRISBURG, PA.

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street
LONG ISLAND CITY, N. Y.**A. H. HEWS & CO., Inc.**Main Office and Factories
CAMBRIDGE, MASS.**DREER'S "Riverton Special" Plant Tub**

No.	Diam.	Each	Dos.	100
10	20 in.	\$1.45	\$16.00	\$160.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs and Supplies, 714 Chestnut Street, Philadelphia, Pa.

1000 READY PACKED CRATES

STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1 1/4 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	456 4 1/2 " " 5.24
1500 2 1/4 " " 5.25	320 5 " " 4.51
1500 2 1/2 " " 6.00	210 5 1/2 " " 3.78
1000 3 " " 5.00	144 6 " " 3.16
800 3 1/2 " " 5.80	120 7 " " 4.20
	60 8 " " 3.00

HILFINGER BROS., Pottery, Fort Edward, N. Y.

August Kolker & Sons, 31 Barclay St., N. Y. City, Agents.

OUR SPECIALTY—Long distance and export trade.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.

New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.



Rustic Summer Houses, Arbors
Rustic Manufacturing Co.
150 Nassau St., New York City

Rustic Summer Houses,
Pergolas, Arbors, Fences,
Bridges and all Garden
Furniture built in the most
artistic way.

Send for catalogue.

Rubber Stamps, Stencils

Seals, Steel Stamps, Hotel Baggage and Key Checks, Badges, Burning Brands, Pew Numbers, Numbering Machines, Check Protectors, Stencil Combinations, Steel Alphabets and Figures, Indelible Inks, Stencil Colors and Brushes, Door Plates, Rubber Type. Illustrated Catalogue of nearly 100 pages sent with first order or upon receipt of 5 two-cent stamps. Agents wanted.

THE REX COMPANY, Harrisburg, Pa.

Dreer's Peerless Glazing Points

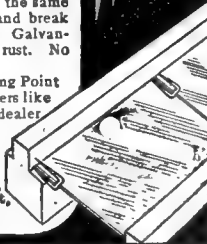
For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.

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714 Chestnut Street,
Philadelphia.

FULL
SIZE
No 2**PATENTS**

Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Thirty years active service.

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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

GLASS

for GREENHOUSE and HOT BED SASHES. Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.
215-217 Havemeyer St., Brooklyn, N. Y.

CYPRESS SASH BARS

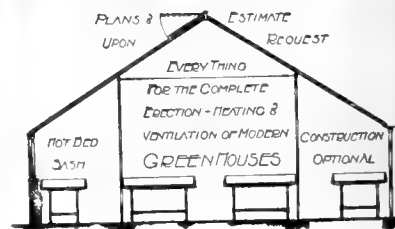
82 feet or longer

HOT BED SASH**PECKY CYPRESS BENCH LUMBER****GREENHOUSES**

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

S. JACOBS & SONS

1359-1385 Flushing Ave.

BROOKLYN, - - - N. Y.

DANIEL ILIFFE

Greenhouse Heating and Ventilating
All kinds of Repairing on Steam or Hot Water Outfits, Retubing Boiler, Packing, etc.

256 Franklin St., Boston

Shop and Residence, 151 Union Street,
South Weymouth.
Tel. 406-W. Weymouth.

**WROUGHT IRON PIPE FOR SALE**

Rethreaded, thoroughly overhauled, in random lengths, guaranteed free from splits or holes.

It will pay you to communicate with us.

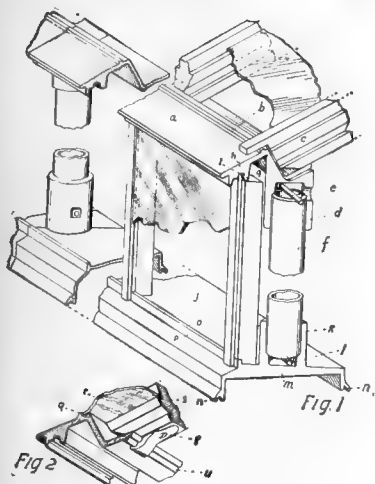
ALBERT & DAVIDSON

217-23 Union Avenue

Brooklyn, N. Y.

In writing to Advertisers kindly mention Horticulture

Metropolitan Patent Iron Wall Construction



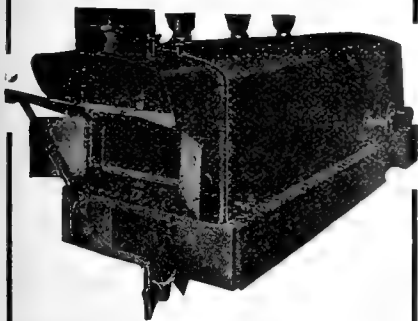
With a little extra cost above wood, anyone can have an Iron Wall Greenhouse, by bolting the different pieces together and securing roof bars, for any size glass, with the clips.

Metropolitan Material Company

1398-1408 Metropolitan Avenue
BROOKLYN, NEW YORK

KROESCHELL BOILER

SEND FOR CATALOGUE



KROESCHELL BROS. CO.
466 W. Erie St., Chicago, Ill.

SPECIFY Advance Ventilating Apparatus

when ordering your building material. Our machines have satisfied the most critical users and will continue to do so.

Remember that we absolutely guarantee our apparatus to give perfect satisfaction.

We want you to have our catalog. Send us your name and address and we will forward one at once.

ADVANCE CO., - Richmond, Ind.



REMEMBER

THAT YOU DO AN INJUSTICE

to yourself by not getting

FOLEY'S FIGURES

before placing the order for that new house or repairs.

**IRON FRAME AND SEMI-IRON FRAME HOUSES,
GLASS, BOILERS, VENTILATING MACHINES, ETC.**

D. T. CONNOR

Representative

West End Trust Bldg.

Phila., Pa.

THE FOLEY M'FG CO.

Main Office and Factory

2510 S. Western Ave.

CHICAGO

JOHN A. PAYNE

1002-04 St. James Bldg.

1133 Broadway

New York, N. Y.

ILL.

KING



GREENHOUSES

THE KIND YOU HAVE LONGED FOR
LIGHT, STRONG AND LASTING

YOU CANNOT AFFORD TO BUILD ANY
OTHER KIND FOR THEY BRING THE DE-
SIRE RESULTS, AND ARE GOOD HOUSES

FOR LONG TIME

THE DIFFERENCE IN COST BETWEEN THE
BEST AND CHEAPEST IS HARDLY WORTH
CONSIDERING, FOR THE COST OF

GLASS, HEATING, BENCHES AND ERECTING

IS THE SAME FOR THE BEST OR WORST.

Write for Bulletin and Question Blank

KING CONSTRUCTION CO.

Head Office and Works

N. TONAWANDA, N. Y.

BOSTON OFFICE, WINTHROP BUILDING, 7 WATER ST., BOSTON.

Eastern Sales Office

1181 BROADWAY, NEW YORK

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

SHARP, PARTRIDGE & CO.

Are Leaders in.

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

SEND FOR

E. H. HUNT'S

NEW SPRING CATALOGUE

"Guaranteed Greenhouse Supplies"

131 N. WABASH AVE.

CHICAGO, ILL.



Evans 20th Century Arm

Will not twist the shafting pipe. Three
times the power of old style elbow arms.
Sold only with Evans Challenge Machine.

Write for Free Catalogue to

QUAKER CITY MACHINE CO.
Richmond, Ind.

CHARLES H. DODD

Greenhouse Builder. General Greenhouse
Mechanic.

Iron Frame and Wood Bar Houses.

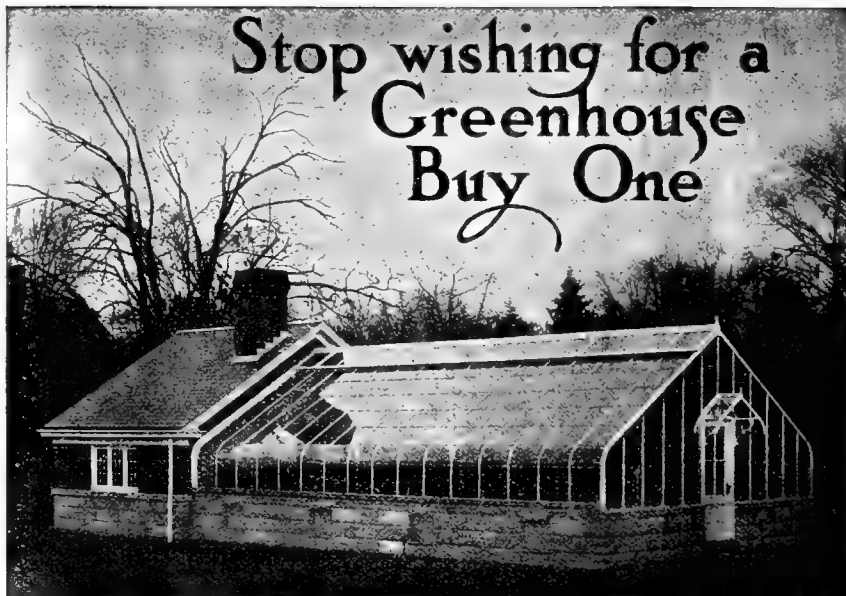
Ideal Greenhouse Boilers.

Materials Furnished or Erected Heating
and Ventilating Materials

578 Ocean Ave., JERSEY CITY, N. J.



This is the U-Bar
The Bar That
Makes U-Bar
Greenhouses the
Famous Green-
houses they Are.



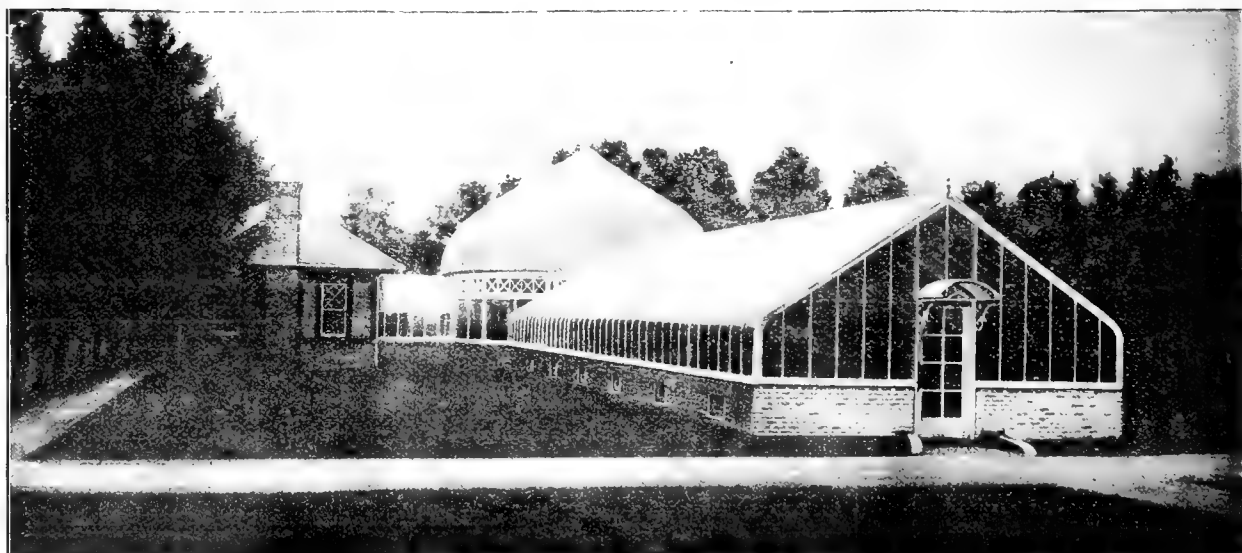
Stop wishing for a
Greenhouse
Buy One

"EASIER said than done," you say. Yes that's so, but listen: why not begin looking into the matter now and weed out the constructions you don't want and decide on the one you do. Then begin planning for your plan. Talk greenhouse — dream greenhouse — think greenhouse — insist that you must have one and ten chances to one you will get one. But make sure on its construction. The U-Bar construction has reasons—10 big reasons and at least 10 more smaller ones why it is built the way it is built. The catalog tells them. Send for it and get posted.

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HORTICULTURE

Vol. XVI.

AUGUST 3, 1912

No. 5



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North Abington, Mass.

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Aspidistras

Now is a good time to increase stock of this most useful decorative plant. Where you have a number of large plants you can divide them into pieces large enough to fill a four-inch pot. Do not break them up too small as it takes a much longer time for them to grow into saleable plants. Be sure that they are sufficiently drained to let the water pass off freely and use a good compost, say to three parts of fibrous loam use one of well decayed manure, and press the soil firmly about the roots. Place them on a bench where they can have plenty of shade until they start to make new roots, when they should be given more light. It is necessary to be careful about the water at the start; they should be kept moist, but not in a saturated condition. Keep them growing right along through the winter, giving them a temperature of from 60 to 65 degrees at night.

Calanthes

These orchids are now in the season of active growth and will be making lots of roots. This will call for the administering of nourishment. There is nothing better than liquid made from cow manure, given quite weak at first and then a little stronger. These applications made twice a week will be found very beneficial and can be kept up until the flowers commence to expand when they should cease. Calanthes should have a more heavily shaded house than where cattleyas are grown, as the foliage should always have a deep green color if they are expected to do well. During hot and bright days they will do better if they are given a spraying overhead morning and afternoon, but when the weather is dull omit all spraying. Close up the house early enough to retain a good amount of solar heat to create a superabundance of atmospheric moisture, which is to their liking. When the nights get cool and the temperature falls below 62 degrees in the house, it is always a good plan to run a little heat in the pipes sufficient to keep the house at from 60 to 65 degrees at night. Where Calanthes show a number of roots running over the surface of the pans, they can have a mulch of very old cow manure spread on.

Compost for Bulbs

All kinds of bulbs will be arriving from now on. Many growers think any old soil will do for bulbs, but this is all nonsense as they like a good soil as well as any other plants. Get a good lot of fibrous loam together, and mix at the rate of three loads of loam to one of well decayed manure. Turn over three or four times in order that the manure may be evenly incorporated through the soil. Where the soil is heavy a little sand can be added to render it sufficiently porous to allow the free passage of air and water.

Planting Sweet Peas for Winter

Where you want an early indoor crop you should sow now. These will grow into fine strong vines by December which should begin to flower around the holidays. If you have a house where you can give them a solid bed, by all means give them this place, as they always give better results when so grown but where you have not solid beds do not hesitate to plant them on raised benches as they can be flowered very successfully in eight or ten inches of soil. See that the soil is liberally enriched with good manure, cow manure preferred. Two parts of fibrous loam to one part of cow manure with a good sprinkling of bone meal will be about right for a compost. The rows should run lengthwise of the house and can be anywhere from three to four feet apart. When sowing the seed do not sow too thick. They always do better when they stand from 3 to 4 inches apart in the rows. It is a good plan when you are sowing in the benches to sow a couple of hundred 3-inch pots with about three seeds to a pot. These will fill in any blanks that may occur in the rows. When they come up string as soon as possible so as to give them support. Give plenty of ventilation and syringe on all bright days.

Lilies for Easter

Every grower should make it a point to get in a batch of the early arrivals of the Bermuda lilies as soon as possible, so that he will be cutting from December until the middle of January. Just as soon as they are received they should be potted up into 5 or 6-inch pots. In order to prevent stagnant water remaining at the roots always give proper drainage of crocks in every pot. When placing the bulbs have them just so the tips show above the surface of the soil. Give these lilies as cool a place as you may have. There is nothing better than a coldframe that can be protected with sashes during a continued spell of rainy weather. Here they can be covered first with a layer of sand and then 4 or 5 inches of soil which will lessen the labor of watering as well as keeping that uniform amount of moisture which is so conducive to root formation.

Care of Newly-Housed Carnations

Now is the time when every grower should exercise good care with his plants. Give them a spraying at least three times a day until new root formation has advanced them far enough so you can say they are re-established in their new quarters. Do not wait until the benches become dust dry before giving them water at the roots, and on the other hand do not keep on watering until they become saturated, as either course is harmful. When the plants have become established give them plenty of fresh air both day and night to harden up their growth.

Mr. Farrell's next notes will be on the following: Care of Gardenias; Cattleya gigas; Geranium Cuttings; Daisies for Winter; Ferns for Making Up Dishes; Roman Hyacinths.

FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

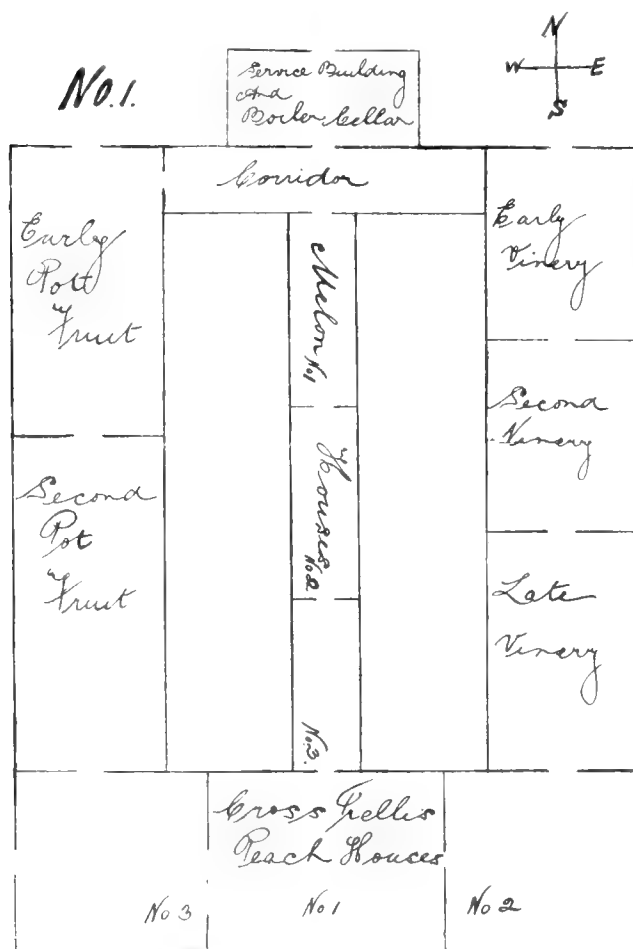
Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Planning a Range of Fruit Houses

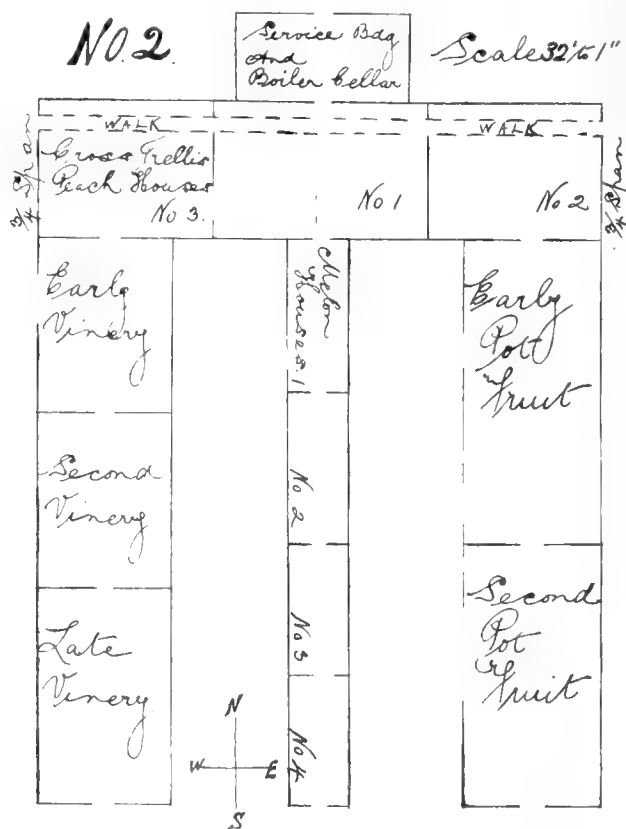
We are in receipt of communication from W. M. P., Lexington, Ky., respecting the building of a range of fruit houses which are to include 100 feet run each, for grapes, peaches, pot trees and melons. Herewith we make two suggestions of such a lay out with rough sketches. No. 1 shows the peach houses located on the south side, even-span houses with a center walk having

walk reduces the trellis space to $5\frac{1}{2}$ feet on the side and allows very little head room on the side near the glass. After reaching the center of the tree the head room is more than double. This makes a poorly shaped tree anyhow. The extra width (over 25 feet or more) will be appreciated as the tree develops.

If the three outer houses are to be the same width use No. 2 sketch, placing the peach house on the north side, and make them $\frac{3}{4}$ span, placing the walk as figured, near the north and use one tree only on the front



trees on each side. This, it will be noticed, is a 30-foot wide house, while the vineries and pot tree houses are 25. To use a center walk in a peach house of less width than 30 feet, means cramping the tree very much. One-half of the tree—that next to the glass—has not sufficient room to develop, making it necessary to continually cut back the wood which in turn only makes strong wood of little fruiting value. Allowing 3 feet for a center



trellis. The $\frac{3}{4}$ span formation will allow of the north side to be trellised and trees can be successfully grown on these. This arrangement of houses will be found very handy to work as each section has outside doors to allow easy access for filling in soil, etc. In each layout the melon houses are near the boilers. No. 1 makes the most compact set and could be very attractively built. Another feature is that a complete circuit of the houses can be made without going outside or passing over the same ground a second time.

AUGUST 17

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ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

More on Painting

Early fall is the best time to do all painting. After a hot summer the wood is more apt to be dry than in the spring after the winter's snows and rains. Paint applied to wood that is not perfectly dry will surely crack, blister or peel, and we all know what that means.

In applying paint use plenty of "elbow grease" and rub the paint into the wood as much as possible to fill all the pores and grain. This will go a good way toward making the paint stick. Sandpaper, scrape or otherwise remove as much of the old loose paint as possible and then apply a thin coat of paint. Never use thick paint—by thin paint we do not mean paint that will run all over the glass; but do not have it almost as thick as putty.

Putty

Speaking of putty—be sure to remove all loose, old putty from the sash bars before attempting to fill crevices around the glass. Never apply putty to new wood unless it has had a coat of paint. If no paint has been applied to the wood, it will draw the oil out of the putty leaving it almost dry and it will all crack and fall out within two years.

Weeds

I think florists and growers of all kinds of flowers, nurserymen, farmers and in fact anyone interested in horticulture and gardening should adopt a rule similar to the "swat the fly" now creating widespread interest. Our idea of this rule would be "never pass a weed without destroying it" and the same with insects. If the weeds are kept down for three or four years and not allowed to go to seed they will decrease so that it will be an easy matter to keep a place practically free from them.

I like Mr. Penson's note on our great friend, Mr. Toad. Do not do anything that would harm these friends in any way. They are just as great a help in a rose house as they would be outside. No doubt as Mr. Penson says the "fair sex" may have some objections to have Mr. Toad hop out unannounced into the walk from his cool shady retreat; and yet I am positive that if the importance of Mr. Toad's presence was carefully explained his unannounced venture into the walk would be welcomed and he would be loved instead of being scorned. And now to rose growing once more.

Steam in July?

This may seem like one of the millions of foolish questions and yet last week we had several real cool nights that would bring the houses down to 54. No harm, some may say, and yet with the day's heat the houses should never be allowed to run so cool as that at night. It would not be wise to shut down the ventilators and thus keep the house warmer. The only thing to do is to give a little heat if possible. Here is where steam will come in handy. Hot water will be slow in circulating where steam, when properly installed, will circulate with one pound pressure and even less. It will take a little coal, but it pays in the long run especially where Beauties are grown.

The cool wave should also have given the growers a good chance to rid their plants of all pests, if any have been around. We find it best not to allow a greenfly to appear, and when you once get rid of them all it is not so very difficult to keep them out.

Sod for Next Season

Summer is the time to determine where to get sod for the coming season. It is hard to tell the condition of the soil in the winter or early spring, but in the summer you can easily tell by the amount of grass on it. Growers with a little ground should try to secure several acres somewhere near the houses if possible and grow their own sod. In selecting a piece of ground to be seeded to grass for sod, select ground that grows good corn. These may seem a crude way to say that such ground contains the elements essential to growing roses, but nevertheless it is true, as can be easily determined by trial. The mixture of grass to use in seeding down ground for sod must be determined by the climate, soil and other surroundings. I think growers should experiment on the effect of crops grown on the soil previous to sodding and after a few years of careful investigation, just what is best can be more easily determined.

The Abyssinian Primrose

Primula verticillata, the Abyssinian Primrose, is a plant whose beauty demands that it should be grown far more in gardens than it is at present. It forms a splendid subject for greenhouse decoration, and its clear yellow flowers produced in whorls, the farina-covered foliage and, above all, its delicate fragrance never fails to charm.

The seeds should be sown now, in pans of light soil and kept shaded from bright sunshine. When the seedlings are large enough to handle they should be transplanted to flats or pans, placing them 1½ inches apart. On attaining sufficient size they should be potted into 3-inch pots, still keeping them in a fairly light compost. When the pots become full of roots the plants may be transferred to 5-inch pots, in which they will flower, using a somewhat heavier compost, to which has been added some well-decayed manure. As the plants become pot-bound, feeding may be resorted to, using any approved complete fertilizer. It is necessary at this stage to be careful not to splash water on to the foliage as this washes off the farina and tends to spoil their appearance. Although the Abyssinian Primrose will stand a fairly low temperature it is not advisable to grow it in a house where the night temperature falls below 45 degrees—cold draughts also must be avoided.

By following the directions given above it will be possible to have plants in flower towards the end of April when their attractive appearance and long period of blooming will not fail to compensate for the really small amount of trouble involved in growing them.

Montague Free

HORTICULTURE

VOL. XVI

AUGUST 3, 1912

NO. 5

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.
 WM. J. STEWART, Editor and Manager.
 SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To
 Canada, \$1.50.

ADVERTISING RATES

Per inch, 30 inches to page..... \$1.00

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times), 5 per cent.; three months (13 times), 10
 per cent.; six months (26 times), 20 per cent.; one year (52 times),
 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at
 Boston, Mass., under the Act of Congress of March 3, 1879.

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Signs of animation

It is stated that the Massachusetts Fruit Show which is to be held Nov. 7 to 10 this year has settled upon an entirely new policy as regards the prizes and their award and in other matters of vital importance. If the show is to exert any educational influence on the public, which is one of its avowed aims, it can hardly go too far in the way of new departure from the methods prevailing hitherto in fruit exhibitions in New England which, probably all right and progressive a generation or two ago are antiquated and decidedly out of touch with the necessities of today. It is good to see that the Massachusetts Fruit Growers' Association realizes this fact and proposes to wake up the slumberers.

One kind of renaming

Touching upon the several recent notes in these columns and in certain foreign periodicals concerning the mischievous practice of renaming plants we should like to just allude to the fact that sometimes in the case of varieties of florists' flowers the nurseryman who catalogues and sells a variety under a name different from that given to it by its introducer is not wholly blamable. We recall an instance—when the introducer of the pink sport of Ivory chrysanthemum named it Miss Agnes Louise Dalskov. But the trade and the public adopted the flower under the name of Pink Ivory and so it stands today except in the lists of very scrupulous dealers who give the original harsh and inelegant name in brackets after the popular name. How can anyone ever expect popularity, in English-speaking countries at least, for roses under such names as Comte Fred. de Thun-Hohenstein, Lena Schmidt-Michel, Zepherin Drouhin or Jonkeer J. L. Mock? It is a good wager that Frau Karl Druschki and other jaw-breaking names as applied to some of the most beautiful roses have cost the introducers and dealers a large sum and while deprecating the giving of the name Mrs. Taft to a rose already introduced under the title of Antoine Revoire it might as well be accepted that, regardless of whatever the nurserymen may do, the name of Taft will stick to that rose as long as it exists. The lesson from all this is that simple, euphonious names should always be selected if the introducer wants to see his subject gain popularity and permanency. A popular name will not make a good rose out of a poor one but it will go far towards making a good one popular and will be the best provision against any temptation to rename it.

"Get together"

A member of the Photographers' Association at the convention of that body in Philadelphia last week gave his fellow photographers some pertinent talk. We clip from the Philadelphia North American for the benefit of our readers, the following, from a synopsis of the speech referred to.

"Get together; boost, advertise." That was the slogan of a breezy, pithy address recently at the afternoon session of the Photographers' Association of America, in convention in Horticultural Hall, by G. W. Harris, of Washington, D. C.

"Photographers," said Mr. Harris, "are not competitors of each other. Their competitors are the jeweler, the butcher, the clothier. I believe that, instead of trying to get ahead of each other, all the photographers in every community should work together. They should adopt a good system of advertising which will bring business to all the studios.

"Photographers do not exploit their wares enough and, in consequence, the average person is photographed only once every ten years. If a campaign of advertising and boosting were carried on, I believe that every one would be photographed every two or three years, or even oftener."

Anyone familiar with the conditions as they exist today in the flower business will quickly recognize where the above quoted remarks fit this industry also. In their zeal to secure, each for himself, as large a share of the trade as possible, the element of individual rivalry among the florists has practically extinguished all concern for the aggrandizement of their products in the public esteem, as compared with other competing lines, such as jewelry, confectionery and others. It is encouraging to note, however, evidences of an awakening, which seems to augur well for the future. Indeed, the situation which is impending in the flower industry in all parts of the country will sooner or later compel the utilization of intelligent cooperative trade publicity methods in order to create a market for the enormously increasing production.

A New Hardy Moccasin Flower

(*Cypripedium Franchetii*)

On my last expedition (1910) for the Arnold Arboretum, I was fortunate enough to succeed in introducing from the Thibetan borderland living plants of three new and beautiful hardy cypripediums. Two of these flowered in the spring of last year and were illustrated in these columns, July 8, 1911. The third species flowered early in June, 1912, in the Arnold Arboretum. As will be seen from the accompanying photographic illustration, this new species, named in honor of the distinguished French botanist, the late Monsieur A. Franchet, in a general way resembles the Siberian *C. macranthum*, differing chiefly in its more hairy foliage and certain technical details. Like its allies, *C. luteum* and *C. tibeticum*, this newcomer promises to succeed under cultivation and should prove a welcome addition to gardens. All three are natives of upland regions and require a moist, shady situation and a compost rich in decaying leaves.

F. H. Wilson



IN BAR HARBOR.

A quartette of Boston horticulturists visited Bar Harbor, Me., on a "week-end trip" last week and experienced in full measure the invigorating air of Mt. Desert and the sumptuous hospitality of Messrs. George B. Dorr, Edward Kirk, A. E. Thatcher, W. T. Burton, F. H. Moses and others—a combination that it would be hard to beat.

There are no autos on Mt. Desert Island. The buckboard, with a span of speedy trotters, is the prevailing style of sight-seeing, and it is as enjoyable as it is unique. Nothing can be imagined more inspiring than the famous "22-mile drive" with its grand ocean views, sea-battered crags, evergreen-clad mountain heights, pine forests and palatial summer homes, surrounded by grounds in which nature and art have worked hand in hand to develop a veritable paradise.

Continual improvement is going on, not only in a private but a public way. Through the enterprise and philanthropic interest of George B. Dorr, a public reservation of 18,000 acres has been set apart, including a large part of the mountain peaks which characterize the island. Roads are being constructed and fire protection attended to throughout this vast public domain. Flowers are more vividly colored in the moist, cool atmosphere of Mt. Desert than those we are accustomed to see. Roses, sweet peas, hollyhocks, etc., are of dazzling brilliancy, and the lawns rival those of Ireland in their rich verdancy. In the laying out of the estates great care and skill has been exercised in harmonizing and linking together the wild scenery and the formality of the villa garden surroundings. Bar Har-

bor is one grand object lesson in this art for the gardener in search of suggestive examples.

Perhaps the finest example of fine gardening is seen in the estate of Mrs. J. S. Kennedy, where W. G. Burton has had charge during the past 14 years. It covers 25 acres. The Italian garden is the best of its type on the Island, there is a splendid garden of sweet peas and, as in all the estates here, a vegetable and fruit garden of highest merit. Rhododendrons do well here as their broad, rich, green foliage attests. In the greenhouses the greatest attraction is perhaps the graperies and melon houses. Such Muscats and Hamburgs as are now ripening have rarely been seen either in this country or abroad.

Point de Arcadie, George W. Vanderbilt's estate, is in the care of Edward Kirk, whose fame as a melon grower under glass is country wide. This is the place to see Royal Jubilee and Emerald Gem at their best. This is conducted for the time being as a sale place, and the vegetable garden is one of its chief assets. Tomatoes, under glass, are also an important item. Mr. Kirk does not regard favorably the tomato Lister's Prolific, which was recently awarded a silver medal at Boston. It is simply a question of productiveness, and this variety, he says, is too long-jointed. Sutton's Winter Beauty will give three times the quantity of fruit. Hubert's Marvel is also much prized. Holmes' Supreme promises well.

The D. C. Blair place, high up on the hill, is conspicuous for its splendid conifers, sloping lawns, Italian garden and hedges, all so well placed as to harmonize well with the wild surroundings. The chief charm of the place is, however, its magnificent setting of picturesque mountain scenery and sublime vistas of deep

valleys and wild gorges. Eugene Mitchell has been in charge since the estate was laid out 12 years ago.

As our readers generally know, A. E. Thatcher went from Boston the past spring to take charge of the Mt. Desert Nurseries. These nurseries, owned by George B. Dorr, are quite extensive, embracing some 150 acres in a state of high cultivation. A branch is maintained at Northeast Harbor, in charge of Richard Rothe, an expert in hardy perennials, who is a frequent contributor to these columns. Evidences of able management are seen in all departments of the nursery, and Mr. Thatcher has already demonstrated that he is the right man in the right place. The variety of material carried is very large and many things are doing finely which are not considered reliable even down in New Jersey. Overhead sprinkling systems have been quite generally adopted for Japanese irises, vegetable gardens and other departments where abundant water is essential. A novel adaption of *Actinidia arguta* has been made in its use as a hedge plant. They are grown on wires stretched six feet high and clipped in the same manner as privet.

We were pleased to see the veteran Bar Harbor florist Fred H. Moses still at his post. He has a spacious, handsomely equipped store and is prosperous and happy, with the right hand of fellowship finely developed.

A CORRECTION.

Kenneth Finlayson calls our attention to an error in his communication on "The Renaming Evil," as printed on page 116c in last week's issue. "Enchantress, Red Fascinator" should read: "Enchantress renamed Fascinator." In his copy Mr. Finlayson had used an abbreviation for "renamed," which was misunderstood.

CLUBS AND SOCIETIES

AMERICAN GLADIOLUS SOCIETY.

Schedule of prizes for the third exhibition of Gladiolus blooms, to be held in connection with the annual meeting of the Society and the Society of American Florists and Ornamental Horticulturists, at the Coliseum, Chicago, Ill., August 20-23, 1912.

Officers.

President, Isaac S. Hendrickson, Floral Park, N. Y.
Vice-President, E. H. Cushman, Sylvania, Ohio.
Corresponding Secretary, L. Merton Gage, Groton, Mass.
Financial Secretary, H. Youell, Syracuse, N. Y.
Treasurer, Wm. A. Sperling, 50 Barclay St., N. Y. City.

Committees.

Executive—Arthur Cowee, Berlin, N. Y.; Arthur T. Boddington, New York City; E. W. Fengar, New York City.
Nomenclature and Registration—Arthur Cowee, Berlin, N. Y.; Prof. Beal, Cornell Univ., Ithaca, N. Y.; Leonard Joerg, Flowerfield, L. I.; I. S. Hendrickson, Floral Park, N. Y.; Carl Cropp, Chicago, Ill.; Arthur Cowee, Berlin, N. Y.
Membership—J. B. Hutchinson, Haddonfield, N. J.; Ralph Cushman, Sylvania, O.; George W. Parsons, Fox Chase, Phila., Pa.
Exhibition—H. Youell, Chairman, Syracuse, N. Y.; L. Merton Gage, Groton, Mass.; B. Hammond Tracy, Wenham, Mass.; J. B. McArdle, Greenwich, Conn.
Press and Bulletin Committee—H. Youell, Syracuse, N. Y.; L. Merton Gage, Groton, Mass.; M. Crawford, Cuyahoga Falls, O.; J. C. Vaughan, Chicago, Ill.; Montague Chamberlain, Groton, Mass.

Open Classes—Gladiolus Blooms.

W. Atlee Burpee Co. prize, \$10.00. Best collection, 10 varieties, 6 spikes each.
M. Crawford prize, \$5.00. Best 12 spikes, any white variety.
E. H. Cushman prize, \$5.00. Best 25 spikes of any named white variety.
Wilbur A. Christy prize, \$10.00. Best vase of Mapleshade, not less than 10 spikes.
Wilbur A. Christy prize, \$5.00. Best vase of Rose Queen, not less than 10 spikes.
Vaughan's Seed Store prize, Silver cup. Best 25 spikes Kunderli Glory.
Vaughan's Seed Store prize, Silver medal. Best display of Kunderli Glory, Chas Hutchinson and Princes.
T. A. Havemeyer prizes, \$5.00 each. Best 6 spikes, white variety; best 6 spikes, bluish or pink; best 6 spikes, yellow; best 6 spikes, crimson or red; best 6 spikes, blue.
F. Henderson & Co. prize, \$10.00. Best varieties not now on the market, 3 spikes each.
W. E. Kirchoff & Co. prize, Gold medal. Best 25 spikes Princepine.
H. H. Groff prize, \$10.00. Best display in white and light shades, dark shades, blue shades, yellow shades, not less than 6 varieties in each color section, not less than 3 spikes each variety.
Frank Banning prizes, \$5.00 each. Best vase of America; best vase of Niagara; best vase of Panama; and \$10.00 for best display of America, Niagara and Panama.
C. Betscher prize, \$10.00. Best collection of Primulinus and hybrids of Primulinus type.
N. L. Crawford prize, \$5.00. Best red seedling to be distinct and valuable.
Mrs. Francis King prize, \$10.00. The most harmonious and beautiful color arrangement of cut Gladioli. Number of colors and quality to count. Not less than 50 spikes.
Mrs. Burke Roche prize, \$50.00. Best new yellow Gladiolus, in color similar to the Marechal Neil rose.
A. H. Austin prize, \$5.00. Best collection of 10 new varieties never before exhibited, 3 spikes each.
Jacob Thoman & Sons prize, \$10.00. Best 25 spikes of any white variety.
E. E. Stewart prizes, \$5.00 each. Best Gladiolus, President Taft, 25 spikes; best Golden Queen, 25 spikes; best Michigan, 12 spikes; best Purity, 12 spikes.
A. Henderson & Co. prize, \$7.50. Best collection white varieties named, 3 spikes each.
A. E. Kunderl prizes, \$5.00, best collection of ruffled Primulinus hybrids, \$10.00, best collection of new ruffled Gladiolus, 1 to 3 spikes each.

H. W. Koerner prize, \$10.00. Best exhibit, 25 spikes Early Bird.

Amateur Class.

A. T. Boddington prize, \$10.00. Best collection, 6 varieties, 6 spikes each.
L. Merton Gage prize, \$5.00. Best collection, 5 varieties, blue shades, 1 spike each.
Montague Chamberlain prize, \$10.00. Best collection, 5 varieties yellow shades, 6 spikes each.
Vaughan's Seed Store, prize, Cut glass dish, value \$10.00. Best 25 spikes Chicago White.
S. E. Spencer prize, Cup, value \$5.00. Best vase of 25 spikes, mixed varieties.
A. Cowee prize, \$25.00. Best vase, 50 spikes of Peace.
W. E. Kirchoff & Co. prize, silver medal. Best 12 spikes Princepine.
Dr. C. Hoeg prize, \$5.00. Best 3 seedlings raised by an amateur.
B. Hammond Tracy prize, Silver and glass vase and plateau. Best table decoration, table laid for six covers.
John Lewis Childs prize, \$10.00. Best display of 15 varieties, 3 spikes each.
Mr. Albert Lahodney prize, \$5.00. Best exhibit of Europa, not less than 10 spikes.
H. W. Koerner prize, \$5.00. Best exhibit, 12 spikes Early Bird.
Stumpff & Walter Co. prize, \$10.00. Best display of 10 named varieties, 3 spikes each.

Special Class.

Michell Seed House prize, Silver medal. Best white Gladiolus shown at the exhibit and to be awarded as an additional prize if the same variety has received a regular award. No entry will be necessary for this award.



prize and the variety to receive this award must contain merit.

Michell Bronze medal. To be awarded for the best pink Gladiolus and the condition described for the awarding of the silver medal will hold good for the bronze medal.

Special—Open to Amateurs Only.

American Gladiolus Society prizes. Exhibit of at least 15 varieties correctly labeled, 3 spikes each. First prize, silver medal; second, bronze medal.

Preliminary Schedule for National Flower Show, New York, April, 1913.

Gladiolus Forced Blooms—Open to All.

1. Collection of large flowering varieties, to occupy 40 sq. ft.—\$10.00 1st, \$5.00 2d.
2. Collection of named varieties (not of the Colvillei or Nanus types), to occupy 20 sq. ft.—\$10.00 1st, \$5.00 2d.
3. Collection of Colvillei and Nanus types, to occupy 20 sq. ft.—\$10.00 1st, \$5.00 2d.
4. Collection 24 spikes, not less than four large flowering varieties \$10.00 1st, \$5.00 2d.
5. Vase, not less than 12 spikes, one variety, large flowering—\$10.00 1st, \$5.00 2d.
6. Single spike, any variety—\$3.00 1st, \$2.00 2d.
7. Artistically arranged basket of blooms—\$5.00 1st, \$3.00 2d.
8. Dinner table, set for four, decorated with Gladiolus blooms \$10.00 1st, \$5.00 2d.
9. Centre piece—\$3.00 1st, \$2.00 2d.

Amateur Class.

Collection of large flowering varieties, to occupy 20 sq. ft.—\$10.00 1st, \$5.00 2d.
Collection of Colvillei and Nanus types, to occupy 10 sq. ft.—\$10.00 1st, \$5.00 2d.
Collection 12 spikes, not less than four

large flowering varieties—\$10.00 1st, \$5.00 2d.

Vase, not less than 6 spikes, one variety, large flowering—\$5.00 1st, \$3.00 2d.

Single spike, any variety—\$2.00 1st, \$1.00 2d.

Artistically arranged basket of blooms—\$5.00 1st, \$3.00 2d.

Dinner table, set for four, decorated with Gladiolus blooms—\$10.00 1st, \$5.00 2d.

Centre piece—\$3.00 1st, \$2.00 2d.

Special Prizes.

John Lewis Childs, prize \$10.00—Best display Gladiolus Blanche.

E. E. Stewart, prize \$5.00—Best vase of 12 spikes Gladiolus Golden Queen.

A. E. Kunderl, prize \$5.00 and 100 bulbs of Chicago White—Best 25 or more spikes of Chicago White (forced).

B. H. Tracy, prize \$5.00—Best vase, not less than 10 spikes of forced Gladiolus, Mrs. James H. Lancashire.

Mrs. A. H. Austin, prize \$5.00—Best 6 spikes of any new yellow variety, never before exhibited.

Arthur Cowee, prize \$5.00—Best vase of blue varieties, not less than four varieties nor less than three spikes of each variety.

Frank Banning, prizes \$10.00 each, for best vase America, Niagara, and Panama.

Rowehl & Granz, prizes \$10.00 1st, \$5.00 2d; \$2.50 3d—Exhibit of Gladiolus Augusta.

Chamberlain & Gage, prize \$10.00—Best vase 25 spikes Gladiolus Blushing Bride.

Henry F. Michell Co., prize silver medal—Best white Gladiolus shown at the exhibit and to be awarded as an additional prize if the same variety has received a regular award. No entry will be necessary for this prize and the variety to receive this award must contain merit.

Henry F. Michell Co., prize bronze medal—Best pink Gladiolus, and the conditions described for the awarding of the silver medal will hold good for the bronze medal.

Chamberlain & Gage, prize \$10.00—Best vase 25 spikes Gladiolus Blushing Bride.

L. MERTON GAGE, Cor. Sec.

Public notice is hereby given that the following named varieties of gladioli have been registered by the Nomenclature Committee of the American Gladiolus Society:

By D. C. Koeg, Decorah, Iowa.
Decoration: orange pink, throat somewhat lighter, suffused with pale yellow. Flowers large, four and one-half inches across; well placed; of good form and substance. Plant strong and healthy with dark green foliage and straight stem. Height 3½ to 4 feet. A good multiplier. Blossomed first in 1908. Originator's description.

Hiawatha (No. 10): light salmon pink with yellow blotches in the throat. Medium sized flowers, four inches across. Medium strong grower with healthy dark green foliage and straight stem. Height probably three feet. A medium multiplier. Blossomed first in 1908. Originator's description.

A. C. BEAL,

Chairman Nomenclature Committee.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Program of fourteenth annual meeting to be held at Boston, Mass., August 12, 13 and 14, 1912.

Officers.

President Wm. H. Dunn, Kansas City, Mo., superintendent of parks.

Vice-presidents, James B. Shea, Boston, Mass., superintendent of parks; W. R. Adams, Omaha, Neb., superintendent of parks; J. W. Thompson, Seattle, Wash., superintendent of parks; G. Champion, Winnipeg, Can., superintendent of parks; Chas. E. Keith, Bridgeport, Conn., superintendent of parks; Fred C. Green, Providence, R. I., superintendent of parks.

TWO IMPORTANT NEW COMMERCIAL FERNS

Cyrtomium Rochfordianum

THE CRESTED HOLLY FERN

The Most Valuable Decorative Fern of Recent Introduction

A most important addition to our list of Ferns. Its foliage is of a rich, deep, glossy green color, the pinnae or leaflets besides being wavy or undulated are also deeply cut or toothed, giving the plant a graceful light appearance, which make it valuable not only as a dish Fern but decorative work and for apartment use.

2½ inch pots, 75 cts. per dozen; \$5.00 per 100; \$10.00 per 1000. Also a limited lot of flats of about 200 plants each, at \$3.00 per flat.

Adiantum Farleyense Gloriosa

THE GLORY FERN or RUHM VON MORDRECHT

The Fern Which Will Revolutionize the Cut Frond Business.

For the grower of Ferns for cutting this new Malden Hair will undoubtedly prove a most important addition; it closely resembles Adiantum Farleyense and will make a splendid substitute for that fancy variety and it can be produced at much less cost, as it will thrive under conditions in which Adiantum Farleyense could not exist.

At our Riverview Nursery we have given it a very fair trial for this purpose during the past winter. A block of these plants were planted on a bench in a house devoted to the ordinary Boston Fern and received the ordinary treatment and temperature given to the Nephrolepis, and under this treatment they developed not only fronds of great beauty on longer, stiffer stems than Farleyense produces, but also many more fronds than would be developed by that variety in the same length of time under the most favorable condition.

For the grower of Ferns for cutting this new Malden Hair will undoubtedly prove a most important addition; it closely resembles Adiantum Farleyense and will make a splendid substitute for that fancy variety and it can be produced at much less cost, as it will thrive under conditions in which Adiantum Farleyense could not exist.

Anyone who successfully grows the ordinary varieties of Adiantum grow it under precisely the same conditions given to these sorts.

We have a fine block of about 30,000 young plants coming on which will be ready to send out in September from 2½-inch pots, and for which we are now booking orders at \$2.00 per doz.; \$15.00 per 100; \$140.00 per 1000.

FERNS IN FLATS

These flats contain about two hundred plants each, only one variety in a flat, and we cannot supply less than a full flat of any one of the following varieties:

ASPIDIUM TSUSSIMENSE
CYRTOMIUM FALCATUM
CYRTOMIUM FORTUNEI
POLYSTICHUM SETOSUM
PTERIS ADIANTOIDES

PTERIS ALBA LINEATA
PTERIS MAGNIFICA
PTERIS MAJUS OR OUVRARDI
PTERIS WIMSETTI MULTICEPS
PTERIS WILSONI

Samples of the above, as well as a complete line of other Dreer Specials, will be shown at the Chicago Convention and our staff of Salesmen will be present to give full information regarding same.

HENRY A. DREER, Inc., 714 CHESTNUT ST., PHILA., PA.

The above prices are intended for the trade only.

Secretary-treasurer, F. L. Mulford, Washington, D. C., landscape gardener, Department of Agriculture.

Monday, August 12.

9.00 A. M.—Meeting of Executive Committee.

9.30 A. M.—Annual business meeting. Address of welcome, Mayor Fitzgerald. Response. Business meeting.

1.30 P. M.—Trip through Boston Park System.

7.30 P. M.—Evening meeting. Stereopticon lecture and papers, with discussion.

Tuesday, August 13.

9.30 A. M.—Meeting.

1.30 P. M.—Trip to Arnold Arboretum and country estates in Brookline, Newton and Wellesley.

8.00 P. M.—Lecture and papers.

Wednesday, August 14.

9.30 A. M.—Final business meeting.

1.00 P. M.—Trip through Middlesex Fells, Revere Beach Boulevard, North Shore Drive to Beverly, or a harbor trip as guests of the City of Boston.

If there has not been sufficient time for reading of papers another evening meeting will be held.

Headquarters, Copley Square Hotel, on Huntington Avenue.

Business meetings will be held in the lecture room of the Massachusetts Horticultural Society.

The papers expected for the meeting are: "Park Accounts," Geo. A. Parker, Hartford, Conn.

"The Influence of Parkway Construction on Property Values," W. H. Dunn, Kansas City, Mo.

"Chinese and Siberian Plants," E. H. Wilson, Arnold Arboretum, Boston, Mass.

"Talk on the International Horticultural Exhibition, 1912, held in London, Eng.," J. K. M. L. Farquhar, Boston.

"Street Trees," Wm. Solotaroff, East Orange, N. J.

"Roads," by members and others.

"Organization of Park Boards," D. J. Haff, Kansas City, Mo.

"Seattle Park System," D. W. Cotterill, Seattle, Wash.

For information regarding parties attending the convention from the different sections of the country, address the member of the committee nearest you:

J. W. Thompson, Supt. of Parks, Seattle, Wash.; C. A. Bossen, Asst. Supt. of Parks, Minneapolis, Minn.; G. Champion, Supt. of Parks, Winnipeg, Can.; W. H. Dunn, Supt. of Parks, Kansas City, Mo.; H. S. Richards, Asst. Supt. South Parks, Chicago, Ill.; Wm. J. Zartmann, 41st and Park Ave., New York City.

RAILWAY GARDENING ASSOCIATION.

Program of sixth annual meeting to be held at Roanoke, Va., August 13th to 16th, 1912. Headquarters, Hotel Roanoke. Meetings at Knights of Columbus Hall.

Officers.

President, Patrick Foy, Nor. & West. R. R., Roanoke, Va.

Vice-president, F. W. Vail, Cent. N. J. R. R., Dunellen, N. J.

Secretary-treasurer, J. S. Butterfield, Mo. Pac.—Iron Mt. R. R., Lee's Summit, Mo.

Executive committee, Geo. B. Moulder, Ill. Cent. R. R., Chicago, Ill.; R. W. Hutchinson, Penna. R. R., Sewickley, Pa.; R. J. Rice, Mich. Cent. R. R., Niles, Mich.

Tuesday, August 13th.

10 A. M. Address of welcome, H. J. Baume, A. & I. A. N. & W. Ry. Co. Reading minutes of preceding meeting. Report of officers. Paper, "Good Fellowship and How Best it Can be Maintained."

Geo. B. Moulder, Ill. Cent. R. R. Paper, "Insect Pests on Trees and Shrubs and Remedy for Same," E. F. A. Reinsch, Santa Fe R. R. Paper, "Are Live Snow Breaks More Economical Than Lumber and What Should They be Composed of?" J. E. Smith, Penna. R. R.

2.30 P. M.—Paper, "Which Gives the Best Results: the Theoretical or Practical Railway Gardener?" J. E. Byrne, B. & O. R. R. Paper, "Should Railways Establish a Landscape Department?" N. S. Dunlop, C. P. R. R. Paper, "The Propagation of Nursery Stock by Seed and Cuttings," John Gipner, Mich. Cent. R. R. Paper, "How Do Railway Gardeners Compare Mentally, Physically and Morally With Men of Other Professions?" E. A. Richardson, B. & O. R. R. Paper, "What Relationship Should Exist Between the Agricultural and Industrial Department of Railways and the R. R. Landscape Gardener," Dr. E. A. Schubert, Norfolk & West. Ry. Paper, "Duties of a Railway Gardener," C. H. Tritschler, N. C. & St. L. R. R. Paper, "To What Extent Can Aquatic or Water Gardening be Carried on by the Railway Gardener?" V. Wickles, Ill. Cent. R. R.

7.30 P. M.—Paper, "The Construction and Maintenance of Driveways Approaching Railway Stations," C. J. Andrews, Penna. R. R. Paper, "The Best Trees for Railway Parks," J. K. Wingert, Cumb. Val. R. R. Open discussion on all subjects. Selection of next meeting place and date. Election of officers. Miscellaneous. Adjournment.

Wednesday, August 14th.

9 A. M.—Auto trip over principal streets of Roanoke. Reception by Mr. and Mrs. Churchill.

12 noon—Trip to Mill Mountain over incline R. R. Lunch at Rockledge Inn.

7.30 P. M.—Trip to Mountain Park Amusements.

Thursday, August 15th.

12.10 P. M. Sight-seeing trip over Shenandoah Valley Division, Norfolk & Western Railway, stopping over at Natural Bridge and the Caverns of Luray.

Friday, August 16th.

Free for all to do as they please.

LENOX HORTICULTURAL SOCIETY.

This society held its first Sweet Pea Show on July 23d and by all appearances of the crowds it was very much appreciated. The arrangements were well carried out and the show was a great success. We hope that next year all the fine gardens in Lenox will be represented and thus make the Sweet Pea Show an annual event. The displays for effect were judged by Mr. G. Turnure, Mr. W. B. O. Field and Miss Charlotte Barnes, and the remaining exhibits by Messrs. Wingate, Page and Smith. The list of awards is as follows:

24 vases distinct, 1st S. P. Shotter, 2d Giraud Foster, 3d Mrs. Field; 18 vases, Giraud Foster, Mrs. Griswold, Mrs. Field; 12 vases, S. P. Shotter, Giraud Foster, Mrs. G. Turnure; 6 vases, Giraud Foster, Miss Furniss, Mrs. Jesup. In the classes for one vase of specified color S. P. Shotter took six firsts and two seconds, Miss Furniss two seconds and one third, Mrs. N. Morris one third, Mrs. Griswold one second, W. M. Salisbury one third, Mrs. Field one second and three thirds, Giraud Foster two firsts, two seconds and one third. In the classes for three vases, distinct varieties, one color, S. P. Shotter won three firsts, seven seconds and one third, G. Foster eight firsts and three seconds, Mrs. Field one second and four thirds. Display to occupy 16 sq. ft., G. Foster, S. P. Shotter. Single vase arranged for effect, Mrs. W. D. Sloane, G. Foster, S. P. Shotter. Basket, W. M. Salisbury, Mrs. W. D. Sloane, G. Foster. A first-class certificate was awarded to Giraud Foster for a display of 98 distinct varieties and an award of merit was given to some very fine melons and peaches shown by Mrs. M. K. Jesup and Mrs. W. E. S. Griswold.

W. HOOPER, Asst. Sec.

CLUB AND SOCIETY NOTES.

The St. Louis Florist Club will hold its annual meeting Aug. 8th. Election of officers will be held and the trus-

A WATERSIDE GROUP.



Our cover illustration this week shows one use of water in formal gardening. The accompanying picture shows just the opposite—a bit of natural water gardening. Nobody can

help admiring the pontederias, sagittarias, sedges and willows which, growing on the water edge, make up this pretty summer scene with its suggestion of inviting coolness and fragrance.

tees have provided some good things for those who attend.

The Canadian Horticultural Association will hold its annual convention in Montreal, P. Q., on August 6, 7, 8 and 9. George A. Robinson, Outremont, Que., is superintendent of the trade exhibition and Julius Luck, 1018 Queen Mary Road, Montreal, is secretary.

THE ASBURY PARK ATTENDANCE.

My compliments to Mr. Denegar and beg to assure him that with the rest of the horticultural world—I fully appreciate his heroic work in giving a flower show at Asbury Park in mid-summer and commend their publicity department in the highest degree. We hope they will repeat the operation next year, and, with added experience, get the crowd. That exhibit of Duke's alone—if adequately exploited—was enough to pack the house. But the publicity department apparently did not have the little bird near them to tell them just what to do. You see, Mr. Editor, my "ability to criticize" is quite unimpaired.

GEORGE C. WATSON.

PERSONAL.

William F. and Adolphus Gude of Washington, D. C., spent the week at Old Point Comfort.

W. W. Chenoweth, of Columbia, Mo., secretary of the Missouri State Board of Horticulture, has resigned his position to take a place as instructor in the Massachusetts State Agricultural College.

Thomas Pegler has resigned his position in the Boston Flower Market and will return to his former avocation of grower which he believes will benefit his health. Mr. Pegler is the popular president of the Gardeners' and Florists' Club of Boston and a host of friends will wish him success in whatever he undertakes.

Detroit visitors:—Christ. Winterich, Defiance, O.; H. W. Buckbee, Rockford, Ill.; Mr. James, Pittsburgh, Pa.; Mr. McGee, Toledo, O.; J. A. Bissinger, Lansing, Mich.; L. Walters, Cleveland, O.

Visitor in Boston: C. L. Linz and wife, Washington, D. C.

During Recess.

Florists' Club of Washington.

It takes more than the heaviest kind of a rain storm to keep the florists and their friends away from the annual outings and even though the rain fell in torrents there was a very large crowd at Chesapeake Beach on this occasion. Many entertainment and athletic features had been planned by the Kallipolis Grotto, whose outing was held jointly with the florists, but the rain prevented many of these. Fancy dances were presented by a number of juvenile entertainers who also rendered a number of popular songs. Along the board walk paraded the "suffragettes" of the Grotto, headed by the latter's special band. Fred Kramer, as the policeman, kept order among an unusually quiet crowd and dressed in the uniform of a "cop" he was successful in hiding his identity for a long time.

An effort was made to run off some of the athletic events on the veranda of the Casino where the members of the club and the Grotto sought refuge from the storm, but nothing much was accomplished in the way of producing record-breaking results.

At a meeting of the members of the joint committee of the club and the Grotto it was decided to hold another outing in the near future and it is probable that Great Falls, Va., will be selected as the place. Here will be pulled off the postponed athletics, including the ball game between the Grotto and the Club.

New Orleans Horticultural Society.

This Society made a record in the way of an outing, the affair lasting three days and consisting of a boat ride to Grand Isle, two nights and a day's outing on the island and a return trip on the power-boat Hazel, which had been chartered by the Society for the occasion.

There was one continuous round of genuine pleasure, including boating, surf bathing, dancing, research in the primitive woods of the small island, and the novel feature of attending the wedding of two of the most prominent people on the island. During the outing sumptuous meals of marine food, fruits, vegetables and everything that would tempt epicurians, was served aboard the boat.

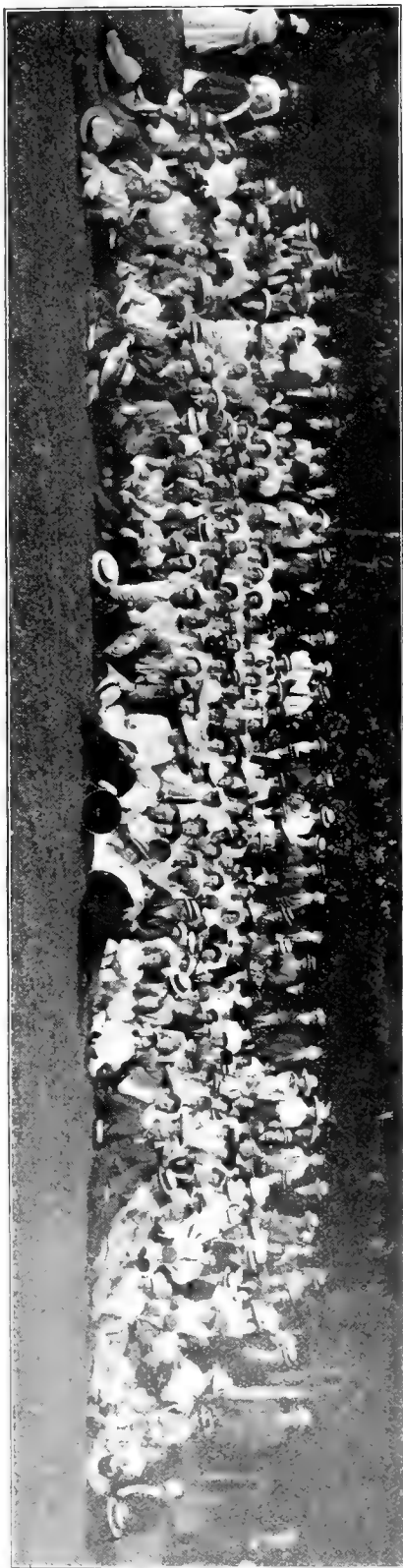
On the return trip the last meal was in banquet form, during which many toasts were responded to in a most befitting manner by the guests and members of the Society. Secretary Charles R. Panter made the principal address.

New Bedford (Mass.) Horticultural Society.

This society held its first picnic on July 25, with a clambake at Padanaram. Over 100 members and friends participated.

The Gardeners' and Florists' Club of Baltimore held their annual outing on July 18th, at Chesapeake Beach, a noted shore resort. The weather was very rainy but mirth and joy were unconfined and as there was a good turnout of members with their families, it was a case of never mind the weather, everybody out for a good time.

Gardeners' and Florists' Club of Boston.



ST. LOUIS NOTES.

Arthur Kring, of Berning's, and Frank Windler, of Smith's, are off on their vacations.

The whole force, from the bosses down, of the W. C. Smith Wholesale Floral Co. took an outing on Saturday afternoon crawfishing on C. E. De Wever's grounds at Olivette.

Nicholas Hock has a new position as gardener for R. S. Brookings, president of Washington University. This is one of the best private places in the city.

Horseshoe Brand Lily Bulbs

Prices for Cold Storage Bulbs, f. o. b. New York.

GIGANTEUM.

8/10 in. at \$25.00 per case of 250 bulbs.
10/11 in. at 22.50 per case of 150 bulbs.
11/12 in. at 22.00 per case of 130 bulbs.
11, 13 in. at 22.00 per case of 120 bulbs.
No other sizes for sale.

Prices for fresh bulbs—fall delivery, 1912.

GIGANTEUM.

Size.	Case Contents.	Per Case.	Per 1,000.	Per 10,000.
6/8 in.	400	\$16.00	\$35.00	\$320.00
7/9 in.	300	16.00	50.00	480.00
8/10 in.	250	22.50	90.00	800.00
9/10 in.	200	22.00	110.00	1000.00

FORMOSUM.

Size.	Case Contents.	Per Case.	Per 1,000.	Per 10,000.
6/8 in.	400	\$16.00	\$40.00	\$350.00
7/9 in.	300	18.00	60.00	550.00
8/10 in.	250	20.00	80.00	750.00
9/10 in.	200	17.00	85.00	800.00

7/9 in. chiefly red-stems, at \$21.00 per case of 300.

MULTIFLORUM.

Size.	Case Contents.	Per Case.	Per 1,000.	Per 10,000.
6/8 in.	400	\$16.00	\$40.00	\$350.00
7/9 in.	300	15.00	50.00	480.00
8/10 in.	250	20.00	80.00	750.00
9/10 in.	200	18.00	90.00	850.00

STEPHENS HARRISII.

5/7" 400 \$12.00 cash, \$15.00 per case on credit.
6/7" 335 13.00 cash, 14.00 per case on credit.
7/9" 200 15.00 cash, 16.00 per case on credit.

Prices on other sizes and varieties upon application. All prices duty paid, f. o. b. New York. Japan bulbs for fall shipment can also be delivered at same prices, f. o. b. Chicago, Cincinnati, Pittsburg, Memphis, or Pacific ports. Send for the Book of Bulbology.



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Write for quotations

ORANGE TREES FOR SALE

Large specimens. Specially grown for orangeries and terraces. 100 specimens. Sizes and prices on application.

J. H. TROY, New Rochelle, N. Y.

Mr. Hock was assistant to Wm. Bouche, landscape gardener.

Miss Ella Nehring and Miss Tittle Winter, for many years with the Riessen Floral Co., have resigned their positions, as both will be married this month. Both were excellent workers and will be greatly missed.

Visitors—L. R. Condon, seedsman, of Rockford, Ill.; Miss R. Zender, daughter of Adam Zender, Chicago.

TWO EXQUISITE NEW LILIES.

*Lilium sutchuenense.*

Lilium sutchuenense is a dainty little orange-yellow lily. It was awarded honorable mention by the Massachusetts Horticultural Society at the Sweet Pea Show in Boston, July 13, 1912.

The other picture shows *Lilium*

*Lilium Duchartrei.*

Duchartrei, another pretty little gem, white dotted with violet and very unique. It was honored with a first-class certificate at the same time and place. Both of these lilies are Wilson introductions, perfectly hardy, and were exhibited by R. & J. Farquhar & Co.

CHICAGO NOTES.

Mr. and Mrs. Frank Oechslin are enjoying a motor trip in Michigan.

E. B. Washburn, son of Chas. Washburn, of Bassett & Washburn, is convalescing.

C. M. Dickinson, manager of E. H. Hunt, is again in Michigan camping on the lake shore.

Paul M. Bryant is now numbered with the office force of the Foley Manufacturing Co., where he will take charge of the work on the new catalogue.

Everything is moving smoothly conventionward and the Chicago florists will prove themselves more proficient in making and carrying out plans than in talking. All the various committees are quietly at work and as the time draws near details are rapidly nearing completion.

Vacationists—A. Lange, week-end trips; John Kruchten and family at Hackley, Wis.; Allie Zech and wife, lake trip; R. Northam and family at Montague, Mich.; John Michelsen, weekly trips to country; A. C. Kohlbrandt, Torts City Mich.; P. L. McKee and family at Culver, Ind.; F. E. Winterson Jr., in Indianapolis and other Indiana points; W. Bufo in Michigan; Geo. Goble at Eagle Lake, Wis.

NEW YORK NOTES.

H. A. Scollery, Chatham, N. J., just returned from a trip to England.

Harry Goldberg of A. T. Boddington's has just returned from two weeks in the Catskills looking as brown as the proverbial berry.

A horse attached to a delivery wagon of the Kervan Co. on W. 28th street took fright and ran away last Tuesday morning. There was big excitement for a brief time but no damage resulted.

The recent heavy rains have greatly improved vegetation in this vicinity. Carnations in the field while having had a good start this season, had begun to feel the want of natural moisture and it is quite a relief to see the improvement apparent all around.

Moore, Hentz & Nash, who have acquired the Bedford Flower Co., Bedford Hills, will be cutting for market in a couple of weeks. A large amount of money has been spent on the ven-

ture, about the success of which there cannot be much doubt with Mr. Hentz as visiting manager and Mr. Pritchard (late of Budlong's) as resident foreman.

Visitors:—Miss Emma Niemann, Western Springs, Ill.; Chas. H. Vick, Rochester, N. Y.

FERTILENE

Especially prepared for the production of lusty CHRYSANTHEMUM BLOOMS.

THE ADVANTAGES of Fertylene over other manure, are: It is clean; has no offensive odor; is soluble and thus easily prepared; is immediate and permanent in its effect; so highly concentrated that it is the cheapest; saves time and labor and gives accurate results. 1 oz. is sufficient for ten gallons.

Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. Sample packets of one-half pound mailed for 30c. Sample packets of one pound mailed for 50c.

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SCOTCH SOOT

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For slugs and other parasites

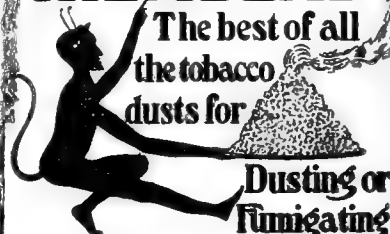
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Cocoanut Fibre Soil

Put on thin will be all you need for a green lawn. Sow new grass seed with the soil. One ton for 1,200 square feet.

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Pure, Dry, Safe and Reliable

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Guaranteed under the Insecticide Act, 1910. Serial No. 321

Save your plants and trees. Here is an insecticide that will positively destroy all insects—Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, etc. without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange. Effective where others fail.

1/4 Pint - - 25c; Pint - - 40c; Quart - - 75c
1/2 Gallon, \$1.25; Gallon, \$2.00; 5 Gallon Can, \$9
10 Gallon Can - - \$17.50

Dilute with water 30 to 50 parts

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct

Lemon Oil Company Dept. K
420 W. Lexington St., Baltimore, Md.

Directions on every package

Green Flies and Black Flies Too are easy to kill with

"TIP-TOP" BRAND

Tobacco Powder

For fumigating or dusting. \$3.00 per bag, 100 lbs. Write for free samples. Money with order.

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Money refunded if not satisfied. Beware of imitations. Territory open for live jobbers. Write for prices.

Imp Soap Spray

Effective one to thirty-two.
Single gallons, \$1.50

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Aphine

The Insecticide that kills plant Lice of every species

The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, red spider, thrips, mealy bug, brown and white scale.

Universally endorsed by commercial growers and professional gardeners of reputation, as the insecticide that does excel all.

\$2.50 per Gallon. \$1.00 per Quart.

FUNGINE

"Actions Speak Louder than Words."

So we are willing to let the merit of this comparatively new fungicide speak for itself. We claim it has no equal for mildew, rust and wilt attacking flower, fruit or vegetable plants. A trial will convince you.

\$2.00 per Gallon. 75c. per Quart.

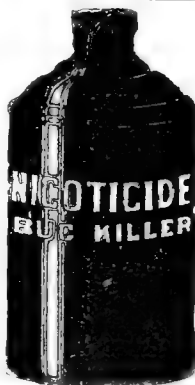
Aphine and Fungine are spraying materials, readily soluble in water, used at various strengths, according to directions on each can. They are equally effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN.

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Seed Trade

Binghamton, N. Y.—A building at 18 and 20 Jarvis street has been leased by the Stamford Seed Co., of Buffalo. They intend to open a branch agency in this city.

Bismarck, N. D.—A large building with railroad siding has been secured by Oscar H. Will & Co., seedsmen and nurserymen. It will be remodeled for a seed warehouse.

Milwaukee, Wis.—S. G. Courteen intends to erect a seed warehouse, at Lake and Hanover streets, eight stories, 150x300 feet, to cost \$182,500. It will be built of reinforced concrete.

Baker City, Ore.—Ira B. Sturges, owner of the Center street greenhouses, has resumed charge of the business, the lease of Mr. Sisson having expired. The business will now be known as the Baker Floral & Seed Co.,

S. D. Woodruff & Sons are doing a very brisk trade along now, shipments going directly south. Of the crops on the Connecticut farm they report beet and onion good, with turnip fair and kale about the same. Carrot is poor. The recent rains have been very beneficial to the corn and it promises well

INCORPORATED.

Clinton, Iowa—J. R. Bather Co., florists, nursery and seedsmen, capital stock, \$15,000.

Cleveland, Ohio—Ohio Horticultural Society, W. S. Mather, president; A. F. Holden, vice-president; John N. Stockwell, secretary and treasurer.

PATENTS GRANTED.

- 1,033,290 Plant Growing Apparatus. Frederick W. Taylor. Philadelphia, Pa.
1,033,696 Folding Harrow. Kirk Hilliard. Vinton, Iowa.
1,033,698 Weeder. Herbert W. Clarkston, Wash.

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A remarkable miniature rose, bearing multitudes of white and pink roses; plants are easily raised from seed and these commence blooming when only two months old. They are admirable for pot work, baskets and table decorations.

Per packet of 50 seeds, \$1.00
Per packet of 10 seeds, .25

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"THE KENILWORTH STRAIN" of GIANT PANSY SEED

Must not be compared with the flimsy Trimardeau

It is much larger and of good substance; the immense flowers, of 3½ to 4 inches, are of perfect form, and every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. The Stock Plants are most critically selected. It is rich with shades of brown, bronze, red, mahogany, and many others too numerous to mention. Light, Medium or Dark Mixtures. Read what Growers say about my strains of Pansy Seed in HORTICULTURE of July 20.

1912 SEEDS NOW READY

PANSIES IN SEPARATE COLORS.

Per 1000 Seeds
Giant Adonis, beautiful light blue...25c
Giant Emperor William, ultramarine blue...25c
Giant King of the Blacks, coal black...25c
Giant Lord Beaconsfield, violet, shading to white...25c
Giant Golden Queen, yellow...25c
Giant Golden Yellow with dark center...25c
Giant Masterpiece, beautifully ruffled, with a wide range of color...25c
Giant White, very fine...25c
Giant White with large violet center...25c
Giant Red, a fine mixture of red shades...25c
Giant Royal Purple, fine large flower...25c
Giant Orchid-flowering, rare shades...25c
Giant Bronze and Copper Shades...25c
Giant Light Blue, delicate shades of blue...25c
Giant Dark Blue, deep blue shades...25c
Giant Zebra Mixed Shades, striped...25c

2000 seeds, 50c.; 5000 seeds, \$1.00;
¼ ounce, \$1.25; ounce, \$5.00.

Preceding 16 Sorts Mixed, in equal proportions, per 1000 seeds, 25c; any 5 pkts., \$1.00; any 11 pkts., \$2.00.

The Rainbow blend is grown from the latest introductions of giant pansies of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send 1000 of Rainbow free, and with other amounts in like proportion.

Chas. Frost
Kenilworth,
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300 Bulbs to the Case at \$6.50 per hundred

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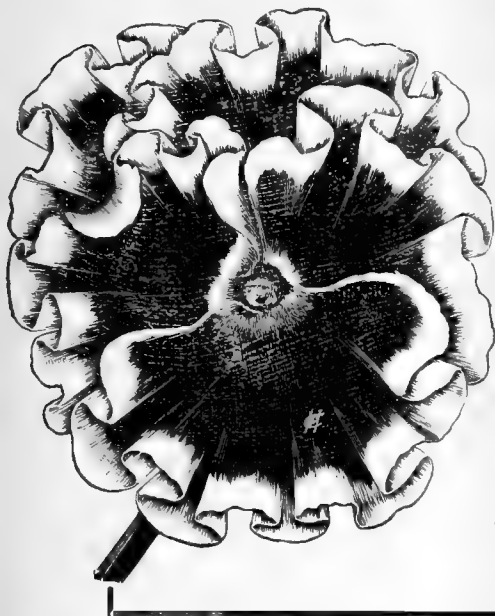
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Michell's Giant Exhibition Mixture

A truly Giant Strain which we have secured from the leading Pansy Specialists in Germany, England and France. Plants are of strong, sturdy habit; flowers of immense size, heavy texture and of varied shades and colors; making it altogether a strain which cannot be excelled. Half trade packet, 30c.; 50c. per trade packet; 1/8 oz., 75c.; \$5.00 per oz.

	Tr. Pkt.	Oz.
Giant Trimardeau Mixed. Large flowers of a great variety of colors.....	\$0.30	\$1.25
Bugnot, Odier and Cassier Mixture. Large beautifully blotched flowers.....	.50	4.00
Mad. Perret. Blooms very early; fragrant; especially rich in red shades.....	.50	2.50
Masterpiece (Giant Curled). A superb class; each petal being curled and twisted; fine rich colors.....	.50	4.50

Also all other standard strains in Mixtures and Separate Colors.

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BLUE LIST OF WHOLESALE PRICES
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Per 1000 seeds, \$1.50; 5000 and up @
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Waterloo, Neb.

Rocky Ford, Colo.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar, Flint and Field Seed Corns.

J. BOLGIANO & SON

WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

West For Our Low Prices

LIGHT, PRATT and ELLICOTT STS.
BALTIMORE, MD.

**HIGH GRADE SEASONABLE FLORISTS
SEED. LATEST CROP.**

Price list free on request.

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47-54 No. Market St., BOSTON, MASS.

Florists' Telegraph Delivery

(Retailers' Section—S. A. F. & O. H.)

Mutual discounts, 20 per cent.
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Provision for guaranteed accounts.

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Rochester, N. Y., 25 Clinton Ave. Keller & Sons
Rockford, Ill. Buckbee, H. W.
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DETROIT, MICH.

Artistic Designs . . .
High Grade Cut Blooms

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

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Cor. Michigan Ave. and 31st St.,
CHICAGO, ILL.

(Member Florists' Telegraph Delivery Asso.)

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

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Kansas City, Mo.
913 Grand Ave.

Member of the Florists' Telegraph Delivery.

All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE
Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, Mo.

will carefully execute orders for Kansas
City and any town in Missouri or
Kansas.

Of Interest to Retail Florists

Detroit, Mich.—J. Breitmeyer's Sons
had a float in the Industrial Parade
last week which was awarded one of
the three prizes offered.

Waterbury, Conn.—Saxe & Floto,
florists, 205 South Main street, intend
erecting a 25 x 60 foot garage on Ham-
ilton street.

STEAMER DEPARTURES

Allan.

Parisian Boston-Glasgow....Aug. 16

American.

Philadelphia, N. Y.-S'h'pton.Aug. 10

New York, N. Y.-S'h'mpton.Aug. 17

Atlantic Transport.

Minnewaska, N. Y.-London..Aug. 10

Minneapolis, N. Y.-London..Aug. 16

Cunard.

Franconia, Boston-Liverpool.Aug. 6

Lusitania, N. Y.-Liverpool...Aug. 7

Hamburg-American.

Pres. Grant, N. Y.-Hamburg.Aug. 8

Amerika, N. Y.-Hamburg...Aug. 15

Holland-America.

Rotterdam, N. Y.-Rotterdam.Aug. 13

Leyland.

Bohemian, Boston-Liverpool..Aug. 10

Devonian, Boston-Liverpool..Aug. 17

North German Lloyd.

K'prinz, Cede, N.Y.-B'men.Aug. 6

Geo. Wash'ton, N.Y.-B'men.Aug. 10

Fr'd der Grosse, N.Y.-B'men.Aug. 13

Berlin, New York-Bremen...Aug. 17

Red Star.

Lapland, N. Y.-Antwerp....Aug. 10

Kroonland, N. Y.-Antwerp...Aug. 17

White Star.

Cedric, N. Y. Liverpool.....Aug. 8

Oceanic, N. Y.-S'h'mpton...Aug. 10

Cymric, Boston-Liverpool...Aug. 13

Canopic, Bos.-Mediterranean.Aug. 15

BOSTON, MASS.



"Penn, The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET



WASHINGTON,
D. C.

GUDE'S

Member Florists'
Telegraph Delivery.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Asso.

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

Established 1874

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City
(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspon-
dence in all the large cities of Europe and the British
Colonies. Telegraph and Cable address, Dardspier.

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Member Florists' Telegraph Delivery.

ALEX. McCONNELL571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

*Cost of Cabling Foreign Deliveries
Must be Prepaid*

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

BROOKLYN—NEW YORK


3 & 5 Green Ave.
Tel. 6800 Prospect337-347 Green Av.
Tel. 3908 Prospect**THE ROSERY**

76 MAIDEN LANE

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY

ALBANY, N. Y.

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.



Estab. 1877

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Amsterdam, N. Y.

Schenectady, N. Y.

GEORGE M. STUMPP

761 Fifth Ave., Cor. E 58th St.

NEW YORK CITY

The Far-Famed Flowers of

TORONTODelivered on mail or telegraph order for
any occasion, in any part of the Dominion.**JOHN H. DUNLOP**

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WELLESLEY COLLEGEDana Hall, Walnut Hill and Rockridge Ha-
Schools. **TAILBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 44-3.

**Of Interest to Retail
Florists****"FLOWERS BY TELEGRAPH."**Leading Retail Florists Listed by
Towns for Ready Reference.Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosary, 76 Maiden
Lane.Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston
St.Boston—Penn, the Florist, 37-43 Brom-
field St.Boston—Julius A. Zinn, 1 Park St.
Boston—Philip L. Carbone, 342 Boylston
St.Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.

Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Denver, Col.—Park Floral Co., 1643 B'way.

Detroit, Mich.—J. Breitmeyer's Sons.

Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912
Grand Ave.Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.Indianapolis, Ind.—Florists' Telegraph
Deliveries, 241 Massachusetts Ave.Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.Newport, R. I.—Gibson Bros., 36 Wash-
ington Sq.New York—George M. Stumpp, 761 Fifth
Ave., cor. E. 58th St.New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St.
and Madison Ave.Providence, R. I.—T. J. Johnston & Co.,
171 Weybosset St.Rochester, N. Y.—Salter Bros., 38 Main
St., West.Rochester, N. Y.—J. B. Keller & Sons, 25
Clinton Ave., N.

St. Paul—Holm & Olson, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.Washington, D. C.—Gude Bros., 1214 F.
St.

Wellesley, Mass.—Tailby.

Worcester, Mass.—H. F. A. Lange.

NEWS NOTES.

Northampton, Mass.—Field, the flor-
ist, is having extensive repairs made
to the front of his store.

Norristown, Pa.—Devine & Craw-
ford are now proprietors of the Way-
side Flower store, vice Devine &
Fertsch.

Fort Wayne, Ind.—Mrs. Clara M.
Bradley has purchased the flower store
of W. J. & M. S. Vesey at 828 Calhoun
street. The name will remain un-
changed for the present.

NEW FLOWER STORE.

Bellevue, Ky.—Davis Floral Co.,
Fairfield and Foote avenues.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you
require, and for what kind of cut flowers you wish
to use the refrigerator; also state whether you
want it for display or only for storage.

McCray Refrigerator Co.,

353 Lake Street, Kendallville, Ind.

Mention Horticulture when you write.

PROVIDENCE, R. I.

and all **T. J. JOHNSTON & CO.**
New England Points 171 Weybosset Street, Providence

**NEW ENGLAND
FLOWER DELIVERIES**

Send flower orders for delivery in Boston
and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant de-
livery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, BOSTON.

CARBONE

Member Florists' Telegraph Delivery

342 Boylston St., Boston

Vases, Garden Furniture, Art Goods and
New Designs in Tuscan Baskets for
Florists' Use, in Wholesale Department.

H. F. A. Lange**WORCESTER, - MASS.**

Deliveries to all Points in New England.
125,000 square feet of glass.

FOR NEWPORT

Narragansett Pier and All Other Rhode
Island Points

Transfer Your Orders to

GIBSON BROTHERS

36 WASHINGTON SQUARE, - - - NEWPORT, R. I.

Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists Telegraph Delivery

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A. LANGE,

25 E. MADISON ST.

Flower Deliveries in

ROCHESTER, N. Y.


38 MAIN STREET, WEST.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

CHANCE AND DISAPPOINTMENT ARE ELIMINATED WHEN YOU BUY OUR

CARNATION PLANTS

We guarantee our plants to be healthy, strong stock, free from disease. Let us know the quantity you want and what varieties, and we will quote you prices.

The Leo Niessen Co.

WHOLESALE FLORISTS
N. W. Corner
12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR THOSE
FLORIST'S MADE
USE BY THE

R

Boston Florist Letter Co.

66 PEARL ST. BOSTON
N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

GEORGE B. HART

WHOLESALE FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati.

POEHLMANN BROS. CO.

Cut Flowers All the Year Round
33-35-37 RANDOLPH STREET, CHICAGO
Greenhouses, Morton Grove, Ill.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	BOSTON July 30	CHICAGO July 30	ST. LOUIS July 30	PHILA July 30
Am. Beauty, Fancy and Special....	15.00 to 25.00	20.00 to 25.00	15.00 to 25.00	20.00 to 30.00
" " Extra.....	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00	10.00 to 15.00
" " No. 1.....	6.00 to 8.00	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00
" " Lower Grades.....	1.00 to 4.00	4.00 to 8.00	3.00 to 4.00	3.00 to 8.00
Richmond, Chateauf, Fan. & Spl...	5.00 to 6.00	5.00 to 8.00	5.00 to 6.00	6.00 to 8.00
" " Lower Grades....	.50 to 3.00	2.00 to 5.00	2.00 to 3.00	3.00 to 4.00
Killarney, Maryland, Fan. & Spl...	3.00 to 6.00	4.00 to 6.00	5.00 to 6.00	4.00 to 6.00
" " Low. Grades....	.50 to 1.00	2.00 to 4.00	2.00 to 3.00	3.00 to 4.00
Bride, Maid.....	.50 to 4.00	2.00 to 5.00	3.00 to 4.00	3.00 to 4.00
Taft, Hillingdon, Ward.....	1.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
Kaiserin, Carnot.....	3.00 to 6.00	2.00 to 6.00	3.00 to 5.00	4.00 to 8.00
CARNATIONS, First Quality.....	1.50 to 2.00	1.50 to 2.00	1.00 to 1.50	2.00 to 3.00
" " Ordinary.....	.50 to 1.00	..... to 1.00	.50 to .75	..... to 1.00
MISCELLANEOUS				
Cattleyas.....	..... to 40.00	20.00 to 40.00	40.00 to 50.00	..... to 60.00
Lilies, Longiflorum.....	4.00 to 8.00	4.00 to 8.00	6.00 to 8.00	..... to 10.00
Lily of the Valley.....	2.00 to 3.00	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Asters.....	.50 to .75	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00
Gladioli.....	2.00 to 3.00	3.00 to 8.00	1.50 to 5.00	3.00 to 4.00
Daisies.....	.50 to 1.50	.50 to 1.50	.15 to .35	..... to .50
Sweet Peas.....	.15 to .50	.50 to 1.00	.15 to .25	.25 to .50
Gardenias.....	8.00 to 10.00	..... to 1.00	..... to 1.00	..... to 10.00
Adiantum.....	1.00 to 1.50	..... to .75	1.00 to 1.25	1.00 to 1.50
Smilax.....	3.00 to 12.00	15.00 to 20.00	12.00 to 15.00	15.00 to 20.00
Asparagus Plumosus, Strings (100)	..... to 50.00	50.00 to 75.00	35.00 to 50.00	..... to 50.00
" " & Spreng. (100 Bchs.)	25.00 to 50.00	25.00 to 50.00	15.00 to 25.00	..... to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

CHICAGO CARNATION COMPANY

A. T. PYFER, Manager

30 East Randolph Street,

CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, CHICAGO

Flower Market Reports

BOSTON The noticeable features of this market at present are the rapidly increasing asters and gladioli, the insignificant place held by the carnation in the general output and the low quality of most of the roses coming in. Beauties run fairly good and there is no scarcity. Of the other roses little can be said for there is a big lot of rubbish from young stock coming in daily. Carnot is, however, grand and Taft is not far behind. Chrysanthemum Golden Glow is already in evidence and our versatile friend, Bob McGorum, is the guilty party. The price \$1.50 per doz. is far too low for such fine goods.

A decided change came **BUFFALO** in the tone of the market the past week and for the betterment of the trade in general. Carnations which a week previous were overplentiful and lacking in demand were on the short supply side as were also roses. Asters have not come on heavy and there practically was not much stock in the market other than a few gladioli and lilies. Trade has improved somewhat. The outlook for the early crop of asters is not promising though recent rains have helped the late crops the first picking of which are expected about Aug. 15. There are plenty of greens to be had.

A feature of the market **CHICAGO** now is the presence of new American Beauties, with stems about two feet long but the rapid growth they are making will soon increase the length. There are also a few old Beauties left, the stems of which are much longer but the flowers not so good as on the young stock. In miscellaneous roses, the demand is largely for the new varieties, and among them Sunburst seems to be very popular and its appearance now indicates that it is proving a very successful summer rose. Maryland, if cut tight, is also showing up well now, and Rhea Reid and the ever faithful Kaiserin have places on many counters piling up the dollars during the hot weather. The two Killarneys and Richmond are in seclusion somewhere with carnations waiting for cooler days to come. Cold storage lilies are in good demand but prices are low even for summer. Large quantities of asters are coming in, the better grades selling most rapidly. Lily of the valley is rather slow in moving now. The usual out-door flowers are in and of good quality. Plenty of green adds its share to the market. Water lilies are centers of attraction in the florists' windows, their rich coloring and graceful form making them ideal summer flowers and their lasting qualities are good. Sales also are satisfactory and several shipments per week have been received by some of the retailers regularly to supply their trade in these "Egyptian" lilies.

Demand is fairly active, but not active enough to maintain stiff prices in any line. All choice stock moves quickly while the shorter sells languidly. A brief resumé of this month shows that at all times there was easily a sufficiency of stock.

A MAGNIFICENT LOT OF FIELD GROWN CARNATION PLANTS



We are now booking orders for immediate delivery from stock selected and grown especially for us, which is in extra fine shape. Our guarantee goes with every Carnation Plant we send out, thus insuring to you the very best of quality and satisfaction.

	100	1000
COMFORT	\$8.00	\$75.00
BEACON	8.00	75.00
HARLOWARDEN	6.00	50.00
VICTORY	6.00	50.00
WHITE ENCHANTRESS	8.00	75.00
WHITE PERFECTION	8.00	75.00
WHITE WONDER	10.00	90.00
MRS. C. W. WARD	8.00	75.00
WASHINGTON	10.00	90.00
ENCHANTRESS	7.00	60.00
PRINCESS CHARMING	7.00	60.00
WINSOR	7.00	60.00
DOROTHY GORDON	7.00	60.00
WINONA	7.00	60.00
GLORIOSA	10.00	90.00

ROSE PLANTS

Some very fine stock; guaranteed good healthy plants. A special lot.

	100	1000		100	1000
OWN ROOT, 3 inch:			OWN ROOT, 2½ inch:		
White Killarney	\$8.00	\$70.00	Double White Killarney	\$15.00	\$125.00
Double Pink Killarney	8.00	70.00	GRAFTED, 3 inch:		
Pink Killarney	8.00	70.00	White Killarney	12.00	100.00
			Pink Killarney	12.00	100.00

RIBBONS AND SUPPLIES. Many new patterns in exclusive Ribbons. Write us for prices on these and on Supplies.

During July and August we will close at 5 P. M.

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA
1608-1620 Ludlow St.

NEW YORK
117 W. 28th St.

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI July 30	DETROIT July	BUFFALO July 30	PITTSBURGH July
ROSES				
Am. Beauty, Fancy and Special	18.00 to 25.00	15.00 to 20.00	15.00 to 20.00	20.00 to 25.00
" " Extra	15.00 to 18.00	12.00 to 15.00	10.00 to 15.00	12.00 to 15.00
" " No. 1	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	6.00 to 8.00
" " Lower Grades	5.00 to 10.00	4.00 to 10.00	4.00 to 10.00	2.00 to 5.00
Richmond, Chateaux, Fan & Spl.	5.00 to 10.00	5.00 to 10.00	4.00 to 10.00	6.00 to 8.00
" " Lower Grades	4.00 to 10.00	4.00 to 10.00	4.00 to 10.00	3.00 to 4.00
Killarney, Maryland, Fan & Spl.	4.00 to 10.00	4.00 to 10.00	4.00 to 10.00	6.00 to 8.00
" " Low. Grades	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
Bride, Maid	4.00 to 8.00	3.00 to 8.00	3.00 to 8.00	5.00 to 10.00
Taft, Hillingdon, Ward	3.00 to 8.00	3.00 to 8.00	3.00 to 8.00	3.00 to 8.00
Kaiserin, Carnot	3.00 to 8.00	3.00 to 8.00	3.00 to 8.00	3.00 to 8.00
CARNATIONS, First Quality	1.00 to 1.50	2.00 to 3.00	1.00 to 1.50	1.00 to 1.50
Ordinary	1.00 to 1.50	1.00 to 1.50	.75 to 1.00	1.00 to 1.50
MISCELLANEOUS				
Carleyas	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Lilies, Longiflorum	7.00 to 10.00	7.00 to 10.00	7.00 to 10.00	7.00 to 10.00
Lily of the Valley	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Asters	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Gladioli	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Daisies	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Sweet Peas	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Gardenias	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Adiantum	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Smilax	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Asparagus Plumosus, Strings (100)	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
" " & Sprengeri (100)	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00

Only once was the market tight and that lasted scarcely a week. During the early days the large cuts of carnations kept down average prices and hardly before they ceased to be an important factor asters and gladioli were arriving. The corresponding month last year was vastly different; the

supply was short, demand very good and usually high prices ruled. There was hardly a dull day during the entire month. Right now all seasonable flowers can be had in quantity. Practically all the gladioli offerings are those of the large choice varieties.

Continued on page 158

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ROSES AND CARNATIONS	Last Half of Week ending July 27 1912		First Half of Week beginning July 29 1912	
American Beauty, Fancy and Special	15.00	to 25.00	15.00	to 25.00
" " Extra	12.00	to 15.00	12.00	to 15.00
" " No. 1	4.00	to 12.00	4.00	to 12.00
" " Lower Grades	.....	to 1.00	.....	to 1.00
Richmond, Chateaux, Extra and Special	4.00	to 8.00	4.00	to 8.00
" " Lower Grades	1.00	to 3.00	1.00	to 4.00
Killarney, My Maryland, Extra and Special	4.00	to 8.00	4.00	to 8.00
" " Lower Grades	1.00	to 3.00	1.00	to 4.00
Bride, Maid	1.00	to 4.00	1.00	to 4.00
Taft, Hillingdon, Ward	1.00	to 8.00	1.00	to 8.00
Kaiserin, Carnot	1.00	to 8.00	2.00	to 8.00
Carnations, First Quality	1.00	to 2.00	1.00	to 2.00
" " Ordinary	.50	to 1.00	.50	to 1.00

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Galax, Boxwood, Laurel
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FLOWERS**
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112 Arch St., 31 Otis St.
**BOSTON'S BEST
HOUSE**

Flower Market Reports

(Continued from page 157)

The market has never in the past seen such an assortment of good stock as this year. It can hardly be said, however, that it realizes the prices it should bring when quality is considered. The long choice asters find a good sale while the short ones move slowly. American Beauties sell well and are proving good property.

Marketable flowers are very scarce, sweet peas and carnations are

about gone, and the only good roses coming in are Fred Breitmeyer's short and medium Beauties and long La Detroit. Gladioli are very poor at present, so the longiflorum and lancifolium lilies represent the only good flowers in quantity. Asters are commencing to come in but they are very small yet.

With the city pretty well empty of society there has been a great

falling off in store trade, and business has been and of course will be for some time very slack; there is a great drop in carnations both in quality and price. Asters are good with more than enough to go around; gladioli in plenty. Beauties very scarce, but we have had a few fairly good Tafts, Brides and 'Maids. Maidenhair which has been very poor of late is getting longer and firmer in stem. Other stocks are not worth mentioning.

Stocks shortened up all along the line last week

with the exception of asters and gladioli. The latter were more plentiful but not enough to hurt. In consequence the marketmen wear a more cheerful smile and say that it was a pretty good week for mid-summer. Everything cleaned up nicely and while no fancy prices were obtained the general average realized was very satisfactory, and better than was expected at this date. American Beauty roses are scarce and not very good. It will be a month yet before the new crop commences. Mrs. Taft is very good at present. But when all is said and done Maryland is the summer rose, in pink, although there are some pretty good pink Killarney. White roses are scarce. In fact white flowers of all kinds are rather on the scarce side. Yes—even lily of the valley! But the latter is due to carelessness on the part of the growers in not paying closer attention to their market; and not from causes beyond their control. The gladioli offerings continue fine as to quality and asters

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383-387 ELICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending July 27 1912		First Half of Week beginning July 29 1912	
Cattleyas	25.00	to 50.00	25.00	to 50.00
Dendrobium formosum	20.00	to 25.00	20.00	to 25.00
Lilies, Longiflorum	6.00	to 8.00	6.00	to 8.00
" Speciosum	1.00	to 3.00	1.00	to 3.00
Lily of the Valley	1.00	to 3.00	1.00	to 3.00
Asters	.50	to 1.00	.50	to 1.00
Gladioli	1.00	to 4.00	1.00	to 4.00
Daisies	.50	to 1.00	.50	to 1.00
Sweet Peas (per 100 bunches)	1.00	to 3.00	1.00	to 3.00
Gardenias	10.00	to 25.00	10.00	to 25.00
Adiantum	.50	to .75	.50	to .75
Smilax	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus , strings	10.00	to 35.00	10.00	to 40.00
& Sprengeri (100 bunches)	10.00	to 16.00	10.00	to 17.00

are steadily improving. The old carnation crop is about wound up. Very good gardenias are available at reasonable prices and these are very welcome now in the present dearth of good white flowers. Greens of all kinds are plentiful with prices in favor of the buyers. There is a good demand for surplus stocks of field-grown carnation plants. The quality of these this year is above the average—the late welcome rains having come just in the nick of time.

The market here had a good week, some days quite busy, but

the bulk of the stock sold is in light colors, as the work is mostly for funerals. The stock that is coming in is suprisingly good as the weather has been very hot of late. There are some very good roses, especially Killarneys, both pink and white. Asters are beginning to come in more freely, but not many of the fancy varieties from local growers. Gladioli spikes have been a glut all week. Lily of the valley is selling well. Sweet peas have been too many for the demand, and sell low.

The amount of business done and the class of stock

that is coming into the local market is about the same as is usual at this period of each year. But little in either direction can be expected. Funeral work has been quite plentiful for several weeks but there is little doing along the other lines, although George Cooke had a very nice order in the way of decorations for the Garlington wedding. The numerous rainy days have caused a marked decrease in street business and has had a tendency to keep people away from the markets and the stores.

CINCINNATI PERSONALS.

Miss Margaret Amstead at E. G. Gillett's, has returned from her vacation. Tom Bennett at the age of 70 wed-

ded on last Wednesday. He stole over to Newport to do so.

Jos. Enneking, of Max Rudolph's, with his wife and family enjoyed a week at Oldenburg, Ind.

Eddie Schwarz is back in Cincinnati after three weeks spent at Atlantic City and Philadelphia.

Mr. and Mrs. Ray Murphy while visiting relatives near Ironton, Ohio, prolonged their stay an additional week.

Visitor: E. F. Kennan, Castorland, N. Y.

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CHINESE PRIMROSES

VERY BEST STRAIN. 2½ in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rates. **ASPARAGUS PLUMOSUS** for planting out. Extra heavy, 3 in., \$6.00 per 100; \$55.00 per 1000.

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William Savage, Kenilworth, N. J.

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English Ivy, strong, at \$8.00 and \$12.00
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Unrooted Alexandra marguerites, \$1.00 per 100. Winter flowering yellow marguerites, the right kind: unrooted, \$2.00 per 100; rooted, \$4.00 per 100. Cash. A. E. Monroe, Wellesley Farms, Mass.

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Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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Paper Pots: 5000 3 in., \$5; 2 1/2 in., \$4. 2 in., \$3. Shipped flat, low freight rates Crosby & Son, Catonsville, Baltimore, Md

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Peonies. The world's greatest collection, 1200 sorts. Send for list. C. Betscher Canal Dover, O.

Peonies—The best French collections. Catalogues free. Dessert, Peony Specialist, Chenonceaux, France.

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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp. \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

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PRIMULAS

Primula Chinensis, strong bushy plants, ready for 3 in.; selected French strains, 11 separate colors or mixed, 2 in., 2c. Primula obconica, Ransdorfer strains, 2 in., 1c. flara and fringed, 15 separate colors or mixed, 2 in., 2c. Gigantea, 5 separate colors or mixed, 2 in., 2 1/2c. C. K. Wisner, 2476 Cherry Street, Toledo, O.

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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

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100,000 strong, transplanted, in five best varieties, \$3.00 per 1000. Cash with order. BRYN MAWR FLORIST, YONKERS, N. Y. Tel. 1083.

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Marie Louise violet plants, from soil, in excellent condition, just right to plant out in beds, \$20.00 per 1000. Cash with order. W. W. Thomson, West Hartford, Conn.

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PHILADELPHIA NOTES.

Rudbeckia Golden Glow, achillea and gaillardia add a little touch of variety to a bald and uninteresting market.

We do not know what has agitated the tinfoil market. Maybe Wilson. Maybe the Bull Moose. Anyhow, she's stiffened up. Fine work somewhere.

The young lady whose picture appears on page 116 of last week's issue is Janet, daughter of Robert Craig, Jr. A lovely picture. Hey for ane an' twenty, Janet.

A. B. Cartledge was in Philadelphia on the 29th ulto brown and salt seasoned from a three weeks' yacht cruise up and down the Atlantic Seaboard. He goes off again Saturday for another two weeks.

Robert Schoch has returned from a two weeks' marine vacation at Harvey Cedars. He thinks he will have no trouble in winning the next fat-man trophy if they ever let a bean pole enter the lists again.

Charles Sim writes from Glasgow, under date of July 15th, announcing "all well and a good voyage"; and with his own felicitations, sends the kind regards of his fellow voyagers Hugh Dickson, Alexander B. Scott and Geo. Fowler.

B. Eschner has been busy the past few days in arranging for the exhibit at Chicago of florists' supplies and ribbons from the House of Rice. He promises some startling novelties in both specialties, and that the exhibit will surpass any that M. Rice & Co. have ever shown.

The Rice Co. have at last got their bridges between their old and new buildings completed. A great deal of trouble was experienced and much time consumed in red tape with fire and building permits with the city officials; but all is now O. K. and the old storage and manufacturing facilities are doubled.

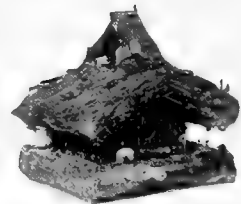
The next meeting of the Florists' Club will be notable as arrangements will then be completed for the trip to Chicago. The various committees—transportation, hotels, sports, etc.—will report, and the discussions thereon will be lively. Aug. 6th is the date. Be on hand, and help set things going the way you want them.

John Jensen: "You don't dare promise anything to a customer just now, seeing that the growers have stopped growing Kaiserin."

Simple Sydney: "What's the matter with the growers, John, that they have stopped growing Kaiserin?"

John (with intense disgust): "Ach-h! They want to make a million, all in a minute—and they fall all over themselves."

Bring Back the Birds



While you are working out your ideal in the garden, why not provide a home for the birds that help to make life in the country really worth while? A rustic house placed in a tree or on a pole will make an excellent home for the birds and add to the attractiveness of the surroundings. We have them in all sizes and shapes to suit any style of architecture.

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Grower of Hardy Perennials

Man who understands their propagation and growing in a large way. Must have had commercial experience and be capable of handling men. Apply to

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For Greenhouse work, wages \$35.00 a month, with board and room.

CHARLES SIMPKINS

Oak Hill, Peabody, Mass.

WANTED—A good all around gardener. Apply at greenhouses, Magoun street, North Cambridge, Mass.

FERTILIZER AGENTS WANTED—To handle Shell-Marl Land-Lime and other materials. Exclusive agency, liberal commission. Vermont Marl Co., Brattleboro, Vt.

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FOR SALE—Fresh from factory, new: 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE In Walpole. Flower and Vegetable Greenhouse Plant with buildings; hot water heat; 2 acres good soil; 1 mile from town, on corner; cars pass door. A bargain at \$1400, half cash. Good reason for selling. W. MAY, Walpole, Mass.

SITUATIONS WANTED

WANTED—Position in charge of place, private or commercial. Experienced and competent in indoor or outdoor departments. THOMAS PEGLER, 227 Norfolk street, Wollaston, Mass.

Visitors:—E. A. Seidewitz, Baltimore, Md.; P. J. Lynch, New Castle, Ind.; Mr. Huesman, Reading, Pa.; M. Henry Lynch, West Grove, Pa.; Harry L. Holmes, Harrisburg, Pa.; W. E. McKissick, Washington, D. C.; Percy B. Rigby, New York City.

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CAMBRIDGE, MASS.**

Obituary.

Julius M. Lown.

Julius M. Lown, violet grower, East Market street, Rhinebeck, N. Y., died recently. He was a pioneer in violet growing in this section but retired about a year ago.

Mrs. Barbara Rieman.

Mrs. Barbara Rieman, widow of Charles Rieman and step-mother of John Rieman, florist, 203 Massachusetts avenue, Indianapolis, Ind., died on July 18 after a short illness.

John W. Richmond.

John William Richmond, florist and gardener, died at his home, Bath avenue and Bay Thirty-fourth street, Bath Beach, N. Y., on July 22, aged 54 years. He came to this country from England twenty years ago. His wife survives him.

Adelard Provencher.

Adelard Provencher, employed by Ernest Saunders, florist of Lewiston, Me., committed suicide at the Daggett farm in Greene, on July 24. Despondency over the loss of his wife is thought to have been the cause. He was about 35 years of age and leaves a daughter, and three sons.

Caspar Abrams.

On July 24, Caspar Abrams, florist, Hoyt and Fulton streets, Brooklyn, N. Y., died at his home, aged 80 years. He was a native of Germany and came to this country in 1862, locating in Brooklyn. He retired in 1900 and turned the business over to his two sons who with three daughters survive him.

Francis A. Baller.

On July 10, Francis A. Baller, nurseryman and florist, Franklin avenue and Beecher street, Bloomington, Ill., died suddenly at his home, aged 77 years. He was born in Somerset, England, and came to America before the civil war. In 1871 he established a wholesale florist business in Bloomington.

W. J. Hudson.

W. J. Hudson, manager of the Alpha Nursery & Floral Co., Yellow Pine, Ala., died on July 19. He was formerly with the Southern Nursery Co. and took charge of the Alpha Nursery upon its establishment about two years ago. He was a Virginian by birth and had conducted a nursery in that state before going to Alabama. His wife and a family of children survive him.

NEWS NOTES.

Palmyra, N. J.—F. R. Matsinger has sold his greenhouses.

Hingham, Mass.—Herbert A. Vining will conduct the florist business of his late brother.

Waterloo, Wis.—A large nursery storage house will be erected here by the McKay Bros. Nursery Co.

Dansville, N. Y.—Denton, Williams & Denton is the name of a new nursery company recently organized here.

Hamilton, N. Y.—The Hamilton greenhouses have been leased by Clayton E. Risley, with privilege of purchase.

Fremont, Neb.—Over 400 lights of glass in the greenhouses of Andreason Bros., Boulevard and I streets, were broken by hail recently.

Putnam, Conn.—The greenhouse on Providence street, formerly owned by Alex Main, is being moved to Dr. Shepard's place in Woodstock.

Quincy, Mich.—The Park Greenhouses, property of Philip Thomas, have been sold to William Reno, of Macon, Ga. Mr. Thomas retires on account of ill health.

Peoria, Ill.—The greenhouses and business of Louis Miller & Sons, Lake avenue and Railroad, have been purchased by the Jacobs & Hicken Floral Co., a newly organized firm.

Beverly Farms, Mass.—Israel Barnes, who has been conducting the nursery business established by the late Jess Pierce, is to move the business to Manchester, where he has purchased property on Pleasant street.

Montreal, Canada.—The property of A. C. Wilshire at Outremont has been sold and a new location further out has been secured. T. Gorman's property, also in Outremont has passed into the hands of real estate dealers.

Bloomsburg, Pa.—The headquarters of J. L. Dillon will hereafter be on East Fifth street as the property where the Normal Hill houses stand has been sold. The removal of the greenhouses will be done by degrees.

West Manchester, Mass.—Mrs. R. C. Winthrop has very generously offered the use of the field on her estate for the use of the North Shore Horticultural Society for their flower show on Wednesday and Thursday, August 21 and 22. The exhibition ought to be a big success and North Shore people will, doubtless, take hold of it with much interest, inasmuch as the society will give the entire receipts of the show to the Beverly Hospital.

GREENHOUSES BUILDING OR CONTEMPLATED.

Butte, Mont.—Butte Floral Co., range of houses.

Adams, Mass.—A. J. Boothman, 24 North Summer street, rebuilding.



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800 3½ " " 5.80	120 7 " " 4.20
	60 8 " " 4.00

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Creston, Iowa—Carl Gehrecke, one house.

Ottawa, Kan.—B. Romstedt, one house.

Penillyn, Pa.—Campbell Bros., one house.

Herkimer, N. Y.—W. D. Snell, re-building.

Good Hope, D. C.—M. J. McCabe, rose house.

Martin's Ferry, Ohio—Davidson Bros., additions.

Portland, Ore.—Byron & Jensen, violet house 24x150.

Cold Springs, N. Y.—J. S. Cunningham, rose house 15x100.

Waterbury, Conn.—A. J. Nodine, Meriden lane, one house.

Congress Heights, D. C.—John Guttman, one carnation house.

Marshall, Wash.—Spokane Greenhouse Co., range of houses.

Allentown, Pa.—DeLong, nurseryman, 38th street, range of houses.

Adrian, Mich.—Johnson & Kuney, 82 Maple street, four houses each 20 x 200.

Grand Island, Neb.—Williams, the florist, Elm and Front streets, house 20x116.

Pittsburgh, Pa.—John Bader Co., 43 Ravine street, N. S., two houses 21x125, one 21x110.

Chicago, Ill.—Matthew Evert, 2059 Devon avenue, Rogers Park, six houses each 22x122.

Locust Valley, N. Y.—The Coffin estate, large conservatory and graperies. W. H. Lutton of Jersey City has the contract.

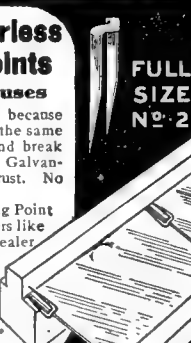
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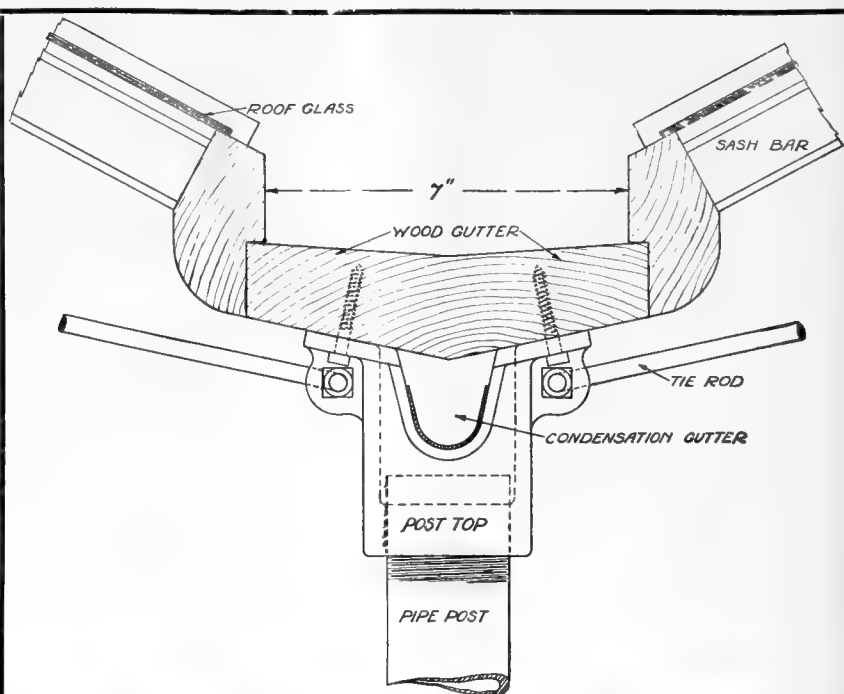
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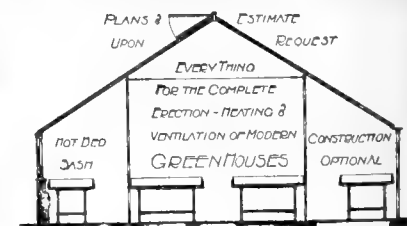
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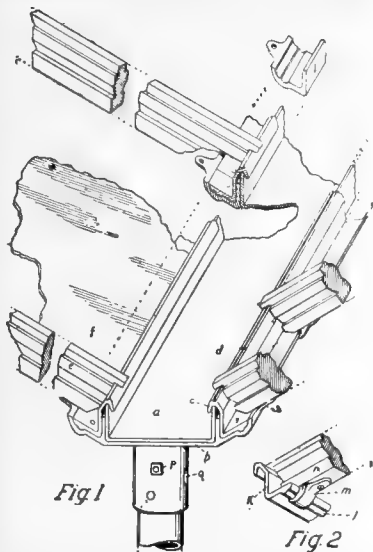


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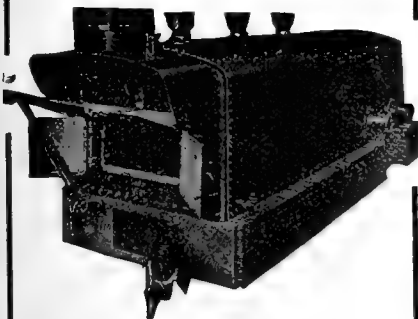


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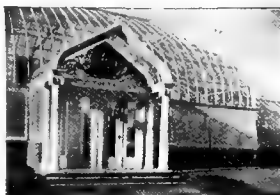
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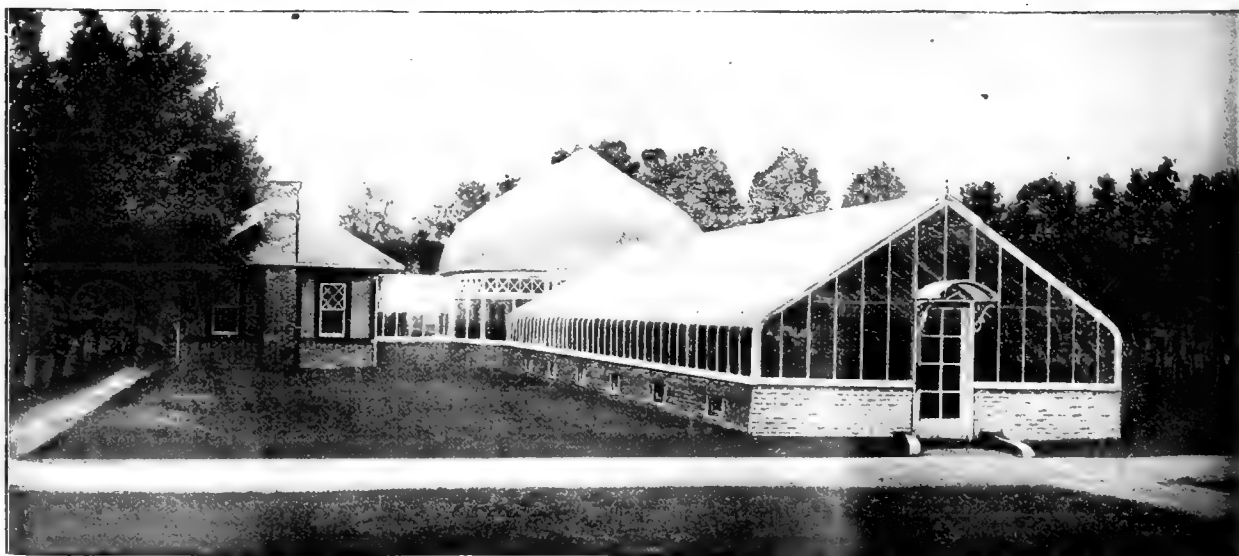
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WILLIAM H. LUTTON, DESIGNER AND BUILDER West Side Ave. Station, Jersey City, N. J.

HORTICULTURE

Vol. XVI.

AUGUST 10, 1912

No. 6



PRIMULA PULVERULENTA MRS. R. V. BEECHLEY

DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Care of Gardenias

Gardenias should have every possible care and attention from this out. It will not be very long now until we have some cool nights which will make the temperature fall too low for these plants. After August 20 it will be expedient to have a little heat running through the pipes so as to keep a night temperature of about 65 degrees. Attend well to ventilating so as not to cause an unequal temperature through the house. Start in the morning and keep on increasing the ventilation until about 80 degrees is reached with solar heat, and reduce the air in the afternoon the same way until the minimum of 68 or 70 degrees is reached. It will be necessary to thoroughly damp down the house two or three times a day, thus creating a nice moist atmosphere, which always encourages the right growing condition for the gardenia. Keep your beds moist, looking them over every day and watering where necessary. Give a good syringing on all bright days as it greatly helps to keep down red spider and mealy bug.

Cattleya gigas

Now that this grand cattleya is through flowering any repotting should be done. They do well in a mixture of soft fibrous peat and sphagnum moss intermixed. I have seen some growers use nothing but moderately coarse osmunda fiber to grow them in and they were fine. Give the pans or baskets half their depth of clean crocks with a layer of charcoal on top. See that you get the compost firmly all around and between the roots. Should any portion of the plant be unsteady tie it to a neat stick which will help them to stand firm until the new roots get a grip of the compost. Be very careful about the watering for four or five weeks, but when they once become re-established in the new compost they will require an unstinted amount of water at the roots. This orchid requires a little more warmth than most of the other species so always keep it at the warmer end of your cattleya house. When they take hold of the compost do not keep them too densely shaded as they like a rather strong light to grow in. Give ventilation as all cattleyas delight when there is a liberal supply of pure air but without cold draughts.

Cuttings of Geraniums

By taking cuttings now you will give your plants time to make up another good batch in September. It will be an advantage to let the cuttings lie under a bench for three or four hours before putting them in sand as it helps to take the sappiness out of them. Always trim the cuttings up well and cut below a leaf joint and you will have very little trouble in rooting them. After they are placed in sand give them a good soaking of water and break only the direct rays of the sun off them. They are better when kept slightly on the

dry side until they begin to root and there is less likelihood of their damping off. In about a month they should be well rooted when they can be potted up firmly into 2½-inch pots, using any good loam. Give a thorough watering and then wait until they are dry before giving any more. Grow on in light airy house and by the middle of October you will be able to take a cutting from every one.

Daisies for Winter Flowering

Where you are growing marguerites for winter flowering now is the time to give them their last potting. Give them either an 8 or 9-inch pot, well drained. Marguerites are very strong feeders so give them a generous compost, adding at least one-third of cow manure to your soil. To keep them bushy and shapely pinch several times up to about October. They can be kept outdoors until about the middle of September when they should be given a cool and airy house to grow in. Now is the time to put in a good batch of cuttings which can be grown into 6 or 7-inch pots for Easter trade.

Ferns for Making up Dishes

Do not neglect to pot up a good lot of these small ferns for table decoration. Young plants that have attained a good size in flats can be potted into 2-inch pots and will make fine material to use by growing them on. They like a compost of loam, leaf mold and old cow manure in equal parts with enough of sand to keep it porous. Place them well up to the glass and on some ashes or sand which will keep them from continually drying out. Give just enough shade to exclude the strong rays of the sun. Keep the air heavily charged with moisture by syringing and damping down three or four times a day. Go over these young ferns three times a day and water where necessary, so they will not suffer from being dry at the roots. See that they have a nice circulation of fresh air by proper ventilation and spread them out from time to time so they will not crowd one another.

Roman Hyacinths

Have all flats in good order for these bulbs which are due to arrive any time this month. Give them a soil that has been unsparingly enriched with very old manure. When planting leave the top of the bulb just even with the top of the soil and be sure that the soil is made good and firm around each. Give the flats a thorough watering and place outside. It is important with Roman hyacinths that they make good root development before the tops begin to show, so place them where they can have a good cool place. Cover them up with from four to five inches of soil and examine them often in order to keep up the necessary amount of moisture at the roots.

Mr. Farrell's next notes will be on the following: Care of Palm; Chrysanthemums; Crocus; Preparing Compost for Winter; Primulas; Paper White Narciss.

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NEW YORK
BOTANICAL
GARDEN

FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Remove Shade From Early Vinery

Rains and the weather generally will have considerably diminished the amount of shade originally applied to the early vinery. If the shade has worn down to less than half of the original this will be sufficient for a time; if not it should be reduced by rubbing it off. From now on the idea must be to ripen the wood thoroughly, but precaution must be taken not to remove too much of the shading at one time and subject the foliage to the full extent of the sun's powers or a quantity of it will burn. Healthy foliage will still play its part for some time to come in aiding to develop the bud and cannot be replaced if once ruined.

Strawberries

Strawberries that were potted up two weeks ago will now be rooting through and should be "spaced." Arrange them in blocks so that it is easy to get in between them to water and syringe. At the same time remove any runners, useless foliage and weeds. Should the surface be hard and smooth now is the time to prick it up, using a pointed stick to do so. The whole business can be got through at the same time. The need of periodically repeating this will be plain to all. Do not commence feeding until the pots are well filled with roots. Should a little fly come around in spite of the syringing, a spray with some approved insecticide will soon rid the plants of them.

Prepare for Mushrooms

As soon as the temperature recedes far enough to allow of curing stable manure, make a start at preparing for the first mushroom bed. Location will determine the date, cooler states having an advantage over the warmer ones. The one thing necessary for this preparatory work is a cool, dry and airy shed. Let me say at the outset that the preparing of the manure for growing mushrooms is the key to success. Much has been written on this subject and yet there still remains much to be known. The uncertainty is as great as ever, but start right and be thorough in all details—turning, mixing and ramming, and spawn at the right temperature. Get the sufficient quantity of manure required to make up your bed in the shortest possible time, which will make the bed even. By this I mean, being of one age the bed will be constituted of ingredients which, if divided, would all furnish about the same amount of heat. This makes things uniform, right from the start. Collect manure from stables having horses in good health; chemicals given to sick horses have been known to kill the mycelium of mushrooms. From the beginning the heap of manure must be turned twice daily, taking out any long straw or corn cobs. The object in this repeated turning is to keep the manure from overheating or burning and yet retain sufficient ammonia to cause it to heat gradually when the bed is made up. This will also help to dry the manure out, which is a point often lost sight of. Have it in a "happy medium" condition at the time of making up. The thickness of the heaps as they are

spread out on the drying shed floor will affect the manure materially. Experience is the only teacher in this line and never forget the old proverb, "If at first you don't succeed, try again." Making the beds and spawning will be dealt with later.

Winter Vegetables

Covering such a wide territory as HORTICULTURE and its readers do, it is no easy matter to approximate the dates for handling vegetables in spring and fall. We hope any extremists will make due allowance for all this. From now on the vegetable houses and frames will be filling up. Probably one of the first subjects to come under the hammer is lettuce. The first good frost renders this excellent salad useless. As a first defense make a planting in some cold frames which can easily be closed at night on the approach of frost. This will augment the supply from the vegetable house considerably as these latter can be brought along as a second batch to those in the frames. Periodical sowings can be made from now on. Have the main crop of good size before the cold, short days come as they will move along very slowly then.

Tomatoes

Tomatoes are relished at all times and with facilities for their production at hand they can be had all the year round. To grow tomatoes to their best advantage and profit to the grower they should be given a house to themselves. Whether large or small it will pay, sooner than mixing them up with all sorts of vegetation. They can be successfully grown in pots or boxes when only a few are required, but when giving up a house to them use benches. If the house is large enough plant them in the benches, two feet apart in the rows and eighteen inches between the rows, the wider distance being from east to west to allow the sun free access to the plants on the back of the bench. Using this method the plants can be staked like roses. If a small lean-to house is used the plants can be trained to wires near the glass as a vine is done. Winter tomatoes will be found a profitable crop. Where a succession of fruit is required a first batch can be sown now and grown on in pots outside, until inclement weather forces them under glass protection. Ten-inch pots are most suitable for the final pots. Eights will produce four good trusses. Leave sufficient room for top dressings when potting up and make moderately firm in the finals up to which time a light hand can be used. Tomatoes require a "step lively" gait right from the seed pan for once starved out the chances of success are considerably diminished.

Dwarf Beans

Late sowings of these made in the garden can be protected from early frosts by means of sash being put over them. A two weeks' longer season is thus ensured from outside sources. Figure on this and get the supply from outside as late as possible. It's a long time until spring again.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Tying and Staking Tea Roses

In houses planted in May and June, teas, if not already staked will call for stakes and tying now. We find it pays better to stake teas than to grow them on wires. We have no use for stakes for Beauties, which we find do much better with wires.

In tying tea roses do not pass a string around the whole plant with the stake in the center; that is no way to do, even though it is the custom on a good many places. Tie each strong shoot separately and low down so that the part left after the flower is cut will remain tied.

Do not bunch the wood together too much or a large amount of foliage will be lost, thus weakening the plants. Spider is also bound to get in and is very hard to dislodge from among the closely tied plants.

If your teas are on wires be careful to tie so as to be able to reach in very easily when cutting. A great many flowers are ruined by being bruised or torn on thorns while cutting. Roses mutilated thus can never be expected to bring the top notch price, which is not so very high at that.

Manure

Have you a good supply of manure on hand for this fall? If not now is the time to see to it for all growers should realize the importance of having the manure at the proper time. Fresh cow manure is not the best for roses and anyone using it should be sure he knows just what he is about. Well-decayed manure is much better all the way around and I cannot see why any grower should neglect getting in a supply at the proper time. Manure that is in heaps now should be turned over as often as necessary. This must be determined by surroundings as manure decays faster in some places than in others.

Soot

In making out and ordering your list of supplies for the coming season, be sure to include a few bags of good soot. Rather expensive, you will say, but after you have once used it on Beauties and a few of the other roses you will never be without it. Soot can be used on almost anything grown in the greenhouses and many outdoor

flowers and vegetables like it equally well. A very good way to apply soot is to mix it into the liquid manure. Little of it will be wasted in this way, and it will be distributed much more evenly than if applied directly to the bench.

Outside Roses

With the cool, dewy nights some mildew is likely to appear. This used to be a dreaded disease on outdoor roses, but we have found a very simple remedy which is very effective—simply spraying with Fungine, advertised in columns of HORTICULTURE. We do not wait for the plants to get mildew but spray them every now and then, using a weak solution as a preventive. Keep on feeding and watering the plants as they may require and with little care they ought to produce flowers of fair quality right up to frost time.

Heating Time Soon Here

Have you looked over your boilers? If not it is high time that you do so and make every little repair that may be necessary. Do not put this off any longer as the time will soon be here when heat will be required, and remember that the houses must not be run "any old way" as they may have been last spring. Fall is a part of the growing season when the least neglect will show, and many houses can be easily ruined. Do not attempt to rest the plants any during the fall but keep them steadily growing if at all possible.

Lime

From now on use lime regularly after each watering or syringing, blowing it underneath the plants just before quitting time, as it is not very pleasant to work in the houses after you have been through them with the lime bellows. Always have a supply of dry air-slaked lime on hand. If ever you are caught in a shower and by not lowering the ventilators soon enough your plants get wet, blow a little lime around as soon as they dry off enough to avoid the lime sticking to the foliage. Should the lime be applied while the plants are wet the lime dust will settle upon the leaves, thus giving them a none too nice color which will stick too, and it will take a number of syringings to remove it.

AUGUST 17

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HORTICULTURE

VOL. XVI

AUGUST 10, 1912

NO. 6

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

Per inch, 30 inches to page..... \$1.00

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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is done in a big way. But all this will not make it big in wisdom and useful achievement. If results commensurate with the opportunity are to be had the members must consider thoughtfully beforehand the all-important questions that await settlement there and allow no allurements of sight-seeing or other diversions to interfere with their attendance at the business sessions. The National Society has never had a better opportunity to demonstrate in a far-reaching and effective manner its magnificent possibilities than that afforded by this great gathering of the leaders in American horticultural industry.

Supply and demand

Our Detroit correspondent, Mr. Danzer, contributes an interesting little discourse in his flower market report on another page of this issue with which our readers will, no doubt, acquiesce. The S. A. F. and other like organizations can find plenty of useful work in the promotion of a greater public interest in the products of the florist and in the adaptation of these products to the varied affairs of civilized life and can well afford to "stand pat" on their by-laws for the present. Mr. Danzer's plea for more flowers in midsummer, however, will hardly touch a responsive chord in certain other markets, the reports from which are quite at variance with the tale of scarcity in Detroit. St. Louis, for instance, where we are told "there is plenty of stock but few buyers," will probably say, "Lucky Detroit!"; and as a general thing we think the situation in the City of the Straits will be regarded as quite unique. We hope it will continue indefinitely in the same gratifying way. Anyhow, many more flowers should be used everywhere than is yet the case. Our growers can produce them, too, if only the encouragement be forthcoming. So, get busy, S. A. F., A. C. S., C. S. A., and a score of other beneficent institutions. You have helped teach us the art of production: now let us have some light on the science of marketing.

About the opening session

We are sorry that the Executive Board did not see fit to continue the plan adopted in recent years of calling the opening session in the afternoon of the first day. Probably there was some good and sufficient reason for returning to the old discarded custom of opening the Convention with a morning session, but it bears hard on the convenience and comfort of members from a distance, arriving by forenoon trains, of whom there are always a good many. The New England delegation, for instance, it appears will be compelled, in consequence, to start from home on Sunday in order to be on time, and those members from that section who cannot do this will have to forego the pleasure of listening to the speeches of welcome, president's address and other interesting proceedings scheduled for Tuesday forenoon. We have no doubt that visitors from many other localities will have a like experience. In this connection we would urge upon all who expect to go to the Convention to comply with Secretary Young's request and send their dues and get their badges in advance and thus escape the discomfort and confusion attendant upon the struggle to do this after arrival at the Convention hall.

In less than two weeks the big S. A. F. Convention of 1912 will have passed into history and the story of its doings will have been indelibly written into the annals of American horticulture. A big convention it will be, undoubtedly, in many respects—a big crowd, a big exhibition, big hospitality in a big city where everything

BRASSO-CATTLEYA MOSSIAE DIGBYANA, WESTONBIRT VARIETY.



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TOMATO LISTER'S PROLIFIC.

Editor HORTICULTURE:

In notes from Bar Harbor in your last issue Mr. Edward Kirk is quoted in criticism of Lister's Prolific tomato. As the exhibitor of this variety which was awarded a first class certificate (not a silver medal as given in your notes) I would like to state that I have grown about every forcing tomato introduced for a good many years and Lister's Prolific stands at the head of the procession, not excepting Comet, which is its closest rival. When I read that it is simply a question of productiveness "that certain other varieties will give three times the quantity of fruit" and that it is "too long jointed," I am driven to the conclusion that what Mr. Kirk has been growing is not Lister's Prolific at all. Unless he had seed in the introducer's packets he would not have a true strain at all.

I have grown Sutton's Winter Beauty and Hubert's Marvel in years gone by but they are not in productiveness, smoothness of fruit, or what is of greatest importance of all, quality, in the same class as Lister's Prolific, and I can name a dozen private estates which can give like testimony. Commercial growers who want the best, market sort procurable are buying this variety heavily at present; one specialist will grow nothing else the coming season.

Not only is this tomato good under glass but as an early outdoor sort it is first in the field. We picked well ripened fruit here July 12, some ten days ahead of Chalk's Early Jewel, and ripe tomatoes at \$3 to \$5 per bushel surely pay better than midseason ones at 50c.

I will be glad to send some genuine Lister's Prolific seed to my friend, Mr. Kirk, to sow next season. I know he

can grow melons which have both size and quality, and I feel sure that a year hence he will agree with me that the tomato in question—which by the way is of Scotch origin, having been raised by Alexander Lister & Sons, of Rothesay, the well-known rose and pansy specialists—is the best of its kind in commerce.

W. N. CRAIG,

North Easton, Mass.

PRIMULA PULVERULENTA MRS. R. V. BERKELEY.

The new primrose which is the subject of our cover illustration this week was exhibited in good form and in quantity in the display of new Chinese plants at the International Horticultural Exhibition in London by James Veitch & Sons. This plant, which is a white sport from the original type collected by E. H. Wilson in China, was perhaps the finest new hardy herbaceous plant in the whole exhibition. The flowers as shown in the illustration, are borne in a succession of whorls, color white with a yellow throat and a reddish tinge on the exterior of the corolla tube.

Providence, R. I.—Alexander H. Johnson, City Forester, and a member of the firm of George Johnson & Son (Elmwood Greenhouses), has been at Fort Greble the past week with the First District Rhode Island National Guard of which he is Lieutenant Colonel. During his absence the duties of City Forester were performed by James Thornton, assistant in that department.

The Field Naturalist Society planning to hold a flower show Aug. 24-25. Several silver cups have been offered in the competition classes.

J. A. Budlong of Auburn, is spending the summer at Narragansett Pier.

Obituary.

William Spangler.

William Spangler, nurseryman and florist, of Dover, N. J., died on July 9, aged 55 years. Two sons survive him.

George Wilmore.

George Wilmore, father of W. W. Wilmore, the dahlia specialist, Denver, Colo., died suddenly on July 20, aged 84 years.

William Bester.

William Bester, florist, 205 South Potomac street, Hagerstown, Md., died on July 28, aged 68 years. He had been in the florist business in Hagerstown for many years and had established a very successful business. Heart disease is given as the cause of death. A widow and four children survive him.

Charles Knopf.

On July 25, Charles Knopf, well-known carnation grower, of Richmond, Ind., died after a short illness, aged 36 years. He had been engaged in the greenhouse business for twenty years and had disseminated a number of carnations. Admiration was his last introduction, coming out in 1909.

Albert Bommersbach.

Albert Bommersbach, son of Nicholas Bommersbach, nurseryman, 702 Spring avenue, Decatur, Ill., and manager of the business, died on July 28, aged 33 years. He learned his trade with his father and when the store on North Water street was opened he took over the management of the greenhouses and the Grandview nursery business.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

Twenty-Eighth Annual Convention at the Coliseum, Wabash Avenue and Fifteenth St., Chicago, Ill., August 20, 21, 22, 23, 1912

Even at this date all arrangements are about completed for the entertainment of the visitors to this convention. Every detail for their comfort and enjoyment has been taken care of by some committee. Every one connected with the business in any way is anxious to do something and has done something to help make this the banner convention in the history of the society.

Those that have not been fortunate enough to hear Mr. L. W. C. Tuthill talk on advertising have a pleasant surprise awaiting them on Wednesday morning, when he entertains us with his paper "Advertising; Some Wrongs to Make Right." It has been the privilege of the writer to hear part of the lecture that will be given by Fred C. W. Brown and see many of the subjects he will present with his illustrated lecture on "Floral Designing;" this will be the attractive and interesting feature of Wednesday evening's session.

Bensinger's Bowling Alleys, 29 West Randolph street, where the annual bowling tournament takes place Thursday, are new alleys and arrangements have been made for the comfortable seating of the spectators and "rooters."

Ravinia Park, the most noted and exclusive resort near Chicago, where the day's entertainment will take place on Friday, is a beautiful place, and at no previous convention has there been such favorable grounds and lawns to carry out the program of outdoor sports and the baseball game. The band concert and grand opera is of the highest quality and the conductor has an international reputation. Luncheon will be served upon the arrival of the party at the park, and dinner in the evening.

Visitors to the convention should not let anything prevent their being present on this trip, when such elaborate preparations have been made for their pleasure. All of the business sessions of the society will be taken up with important business matters and discussions. Taken all together, it is going to be a busy convention.

Nothing has been left undone for the entertainment of the ladies. Automobile rides, entertainment at the

exclusive South Shore Country Club and many other attractive and interesting trips have been provided for, and the ladies of Chicago are holding frequent meetings to provide even additional entertainment. Many a male visitor will envy the ladies at this convention.

At this date many reservations have been made at the different hotels, showing the great interest that is being taken by the florists and representatives of the allied trades in all parts of the country. The list of exhibitors, published herewith, speaks for itself. To avoid confusion and save time at the convention, dues may be sent to the secretary, now at the Auditorium Hotel, Chicago, and receipt and 1912 button will be returned immediately. This button has already been sent to those who have paid dues for 1912. Applications for membership may also be sent to the same address and the 1912 button will be returned.

Any inquiry regarding hotel accommodations will be turned over to the local hotel committee for a prompt reply. This will be an opportunity to see one of the greatest and most hospitable cities in the world, and if you do not take advantage of it at this time, you will regret not doing so until the end of your days. And if the kind treatment and many courtesies that have been showered upon your secretary since he has been here are a sample of what they intend doing for every visitor, I can only say—Come!

JOHN YOUNG, Sec'y.

TRADE EXHIBITION.

Every foot of available space will be sold before the opening of the Convention, and those desiring to exhibit must make immediate application or it will be too late. It must be remembered that the exhibitor rents the space only, and should make arrangements as far ahead as possible for the erection of tables, hiring of desks, securing signs, or whatever is required for his exhibit. The Superintendent of the Trade Exhibition will assist as far as his time will allow.

By a recommendation of the Advisory Board, that part of rule 3 which reads "Exhibition space shall be limited to six feet six inches above the floor" is changed to read "shall be limited to ten feet above the floor."

Following is a complete list of exhibitors to August 3rd, 1912:

Schloss Bros., C. C. Polkworth Co., Sefton Mfg. Co., National Flower Show Committee, J. A. Peterson, United Fertilizer Co., McFarland Publicity Service, Estate Lemuel Ball, Botanical Decorating Co., W. W. Barnard, King Construction Co., A.

Deitsch & Co., Bassett & Washburn, Universal Portland Cement Co., Superior Machine & Pump Works, Burlington Willow Ware Shops, Standard Engine & Pump Co., G. P. Lambert Co., J. C. Moninger, Cushman Gladiolus Co., Morehead Mfg. Co., Lion & Co., L. Baumann & Co., Raedlein Basket Co., Arthur T. Boddington, Wertheimer Bros., Poehlmann Bros. Co., F. R. Pierson Co., Jackson & Perkins Co., A. L. Randall Co., Chas. D. Ball, A. A. Arnold, P. L. Carbone, Robt. Craig & Sons, S. A. Anderson, American Blower Co., Geo. M. Garland, W. A. Manda, H. N. Bruns, E. E. Stewart, G. E. Travis Co., Jacob Lederer, Vaughan's Seed Store, John Lewis Childs, Hitchings & Co., B. Hammond Tracy, M. Rice & Co., Lord & Burnham Co., Henry A. Dreer (Inc.), H. F. Michell & Co., Arthur Cowee, Kroeschell Bros. Co., H. Bayersdorfer & Co., James Vick's Son, Foley Mfg. Co., Illinois State Association, Lemon Oil Company, Benjamin Hammond, Revere Rubber Co., Mead & Suydam, Knight & Struck, Detroit Flower Pot Manufactory, The Advance Co., B. F. Goodrich Rubber Co., Quaker City Machine Works, Florists' Exchange, Wm. H. Elverson Pottery Co., O. F. Zurn Co., Lager & Hurrell, Wm. Scott Co., J. K. Anderson, Brecht Co., Illinois Flower Box Co., Roseville Pottery Co., Pennock-Meehan Co., Jacob Thomann & Sons, American Auxiliary Heating Co., J. J. Williams, Geo. Wittbold, Joseph Heacock, American Florist Co., Lord Plant Box Co., A. E. Kunder, H. G. Dreyer & Son, Charles Eble, Means & Thacher, N. F. McCarthy Co., Ionla Pottery Co., A. Henderson Co., H. W. Koerner, Pulverized Manure Co., Fostoria Glass Co., Richmond Cedar Works, Frank Oechsla.

JOHN YOUNG,

Supt. Trade Exhibition.

Address: Auditorium Hotel, Chicago.

NEW YORK CITY AND VICINITY TO CHICAGO.

As the time is fast approaching and we are thinking of vacations please stop thinking and write to F. H. Traendly for accommodations on the convention special which will leave Grand Central station, 42nd street, Monday, Aug. 19th, 10 A. M. en route to Chicago. It is most important for every live florist to attend this meeting. Those who are members of the S. A. F. and O. H. know the advantage they derive by being members and florists that are not members should not miss this opportunity and become a member at once. Come as our guest and let us demonstrate to you. You will surely be well repaid for the trip and in the meeting of brother florists from all parts of the United States and Canada and the great trade exhibition that will eclipse any heretofore held. This is an opportunity that a florist should not let go by. It is as important as any part of our business to keep up with the times.

Any further information and membership blanks will be gladly furnished. We want a good sized party on Aug. 19th when our New York florists' Club special leaves the depot. Mr. Traendly, who is a past master,

and his committee of arrangements have left nothing undone to make this the most pleasant trip leaving for a convention from New York City.

A. L. MILLER,
State Vice-President, New York East.

Special train will leave Grand Central station, New York City, Monday, Aug. 19, at 10 A. M. This is under the auspices of the New York Florists' Club and the usual refreshments and other entertainment will be provided. If you would like to join this party write at once to Frank H. Traendly, 131 W. 28th St., New York and state whether you wish berth reservation. The following named parties have signified their intention of going:

Mr. and Mrs. Traendly, Mr. and Mrs. W. F. Sheridan, Mr. and Mrs. Chas. Weathered, Arthur Buckholz, P. O'Mara and sister, A. L. Miller, Mr. and Mrs. Joseph Manda, Chas. Weber and wife, Robert M. Schultz, Mr. and Mrs. H. A. Bunyard, Robert Simpson, Mr. and Mrs. Robert Wilson, Robert Koehne, Bert Chadwick, Louis Schumtz, Jr., A. DeMeusy, W. R. Cobb, Henry Hornecker, W. C. Badgley, W. R. Pierson, F. W. Armitage, Leonard Barron, R. E. Berry, Peter Beuerlein, Geo. Blake, Oscar Boehler, John Donaldson, V. S. Dorval, Wm. Eccles, Phil Einsmann, J. G. Esler, and daughter, J. D. Fiesser, A. Hanig, W. F. Kasting, Wm. H. Kuebler and one, Emil Leuly, Frank Manker, S. Masur, W. J. Brown, W. E. Maynard, John Meisem, Mr. Niquet, Mr. Othile, Mr. and Mrs. J. H. Pepper, John Reimels, Mr. and Mrs. Julius Roehrs, Jr., Chas. Schenck, Wm. Sefton, W. H. Siebrecht, C. H. Totty, C. C. Trepel, J. Weir, J. R. Lewis, C. W. Scott, A. Kakuda, W. J. Stewart, M. C. Ebel and Mr. McArthur.

BOSTON TO CHICAGO.

A party is being formed for the trip to the S. A. F. Convention at Chicago, August 20th to 24th. It was hoped that we should be able to meet the party which leaves New York Monday forenoon, at Albany but find that it is impossible and if our party leaves Boston at 10.00 A. M. Monday, we do not arrive in Chicago until 11.50 the next day. Under these circumstances it is proposed to leave Boston on the 2.00 P. M. train Sunday, which arrives in Chicago Monday at 2.00 P. M. We hope to have a sufficient number to fill a special car and I should like to hear at once from those who would like to join this party and wish to have a berth reserved. It is important that I should have this information at once.

E. ALLAN PEIRCE.
Waltham, Mass.

RHODE ISLAND TO CHICAGO.

The State Vice-President is endeavoring to make arrangements with the Boston party in regards to the trip to the S. A. F. Convention in Chicago, August 20th to 24th. After going over the matter carefully it has been thought best to leave Boston on the 2.00 P. M. train Sunday, August 18th, which arrives in Chicago Monday P. M. A special car will be provided if enough signify intentions of going and we hope that all that can go will notify us at the earliest possible moment. This matter may be taken up direct with E. Allan Peirce of Waltham, Mass., or you may write to the undersigned, who will do all possible to assist you in the arrangements and make reservations for you on the special car.

LOUIS J. REUTER,
State Vice-President.
Westerly, R. I.

CLUBS AND SOCIETIES

TO THE FLORISTS OF NEW YORK STATE.

A general invitation is hereby extended to every florist to attend the second annual meeting of the New York State Federation of Florists' Clubs, to be held at the New York State Fair at Syracuse, Thursday, September 12. Great preparations are being made to welcome the florists and it will be the main feature of the day. There will be addresses by Dean Liberty Hyde Bailey and other prominent horticulturists. The officers of the Federation are anxious that the florists make a special effort to be present, as matters of great interest and importance to every live florist and grower will be discussed.

Respectfully yours for success, "The New York State Federation of Florists' Clubs."

Wm. F. Kasting, Buffalo, president; Dr. Erl A. Bates, Syracuse, first vice-president; Chas. B. Weathered, New York City, second vice-president; E. R. Fry, Rochester, third vice-president; John Young, New York City, secretary; W. A. Adams, Buffalo, treasurer.

State Fair Committee: George E. Thorpe, Syracuse; W. R. Smith, Syracuse; Arthur Cowee, Berlin; Frank H. Traendly, New York City; F. A. Danker, Albany.

In addition to the meeting the Fair Commissioners are planning to make one of the largest displays of plants and flowers ever seen at a State Fair. A new and novel feature will be the municipal or city exhibits. The cities of New York, Buffalo, Rochester and Albany will each send from one to two carloads of plants. Many of the large growers, not only in this state but in other states, will exhibit. The florists and growers will take advantage of the opportunity to attend the meeting and to visit the fair.

The committee in charge of arrangements are planning to change from the old stereotyped State Fair flower exhibit to a modern flower show. Double the space has been allotted for this purpose, and the main hall is to be arranged in conservatory effect, with the city and other exhibits at the sides and ends. A band stand is planned for the center of the hall where, each afternoon, a band of thirty pieces will give a concert.

The committee in charge is composed of Charles H. Vick, superintendent; W. E. Day, Day Floral Company, Syracuse, Assistant Superintendent and Dr. Erl A. Bates, also of Syracuse.

The committee want as many florists and growers as possible to exhibit, to help make the florists' day a success in display of plants and flowers as well as in attendance.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Plant Registration.

As no objections have been filed public notice is hereby given that the registration of the new geranium "Helen Michell" by Henry F. Michell Co., 518 Market St., Philadelphia, Pa., becomes complete.

JOHN YOUNG, Secretary.

AMERICAN NURSERYMEN'S ASSOCIATION.

Officers and committees for 1912-1913 are as follows:

President—Thomas B. Meehan, Dresher, Pa.

Vice-President—J. B. Pilkington, Portland, Ore.

Secretary—John Hall, 204 Granite Bldg., Rochester, N. Y.

Treasurer—C. L. Yates, Rochester, N. Y.
Executive Committee—Henry B. Chase, Huntsville, Ala.; J. W. Hill, Des Moines, Ia.; P. A. Dix, Salt Lake City, Utah; Thomas B. Meehan (ex-officio), Dresher, Pa.; John Hall (ex-officio), secretary, Rochester, N. Y.

Committees—Transportation, Chas. M. Sizemore, Louisiana, Mo.; tariff, Irving Rouse, Rochester, N. Y.; legislation east of Mississippi river, Wm. Pitkin, Rochester, N. Y.; legislation west of Mississippi river, Peter Youngers, Geneva, Neb.; co-operation with entomologists, L. A. Berckmans, Augusta, Ga.; publicity and trade opportunities, W. P. Stark, chairman, Louisiana, Mo.; James M. Irvine, St. Joseph, Mo.; Jefferson Thomas, Harrisburg, Pa.; Orlando Harrison, Berlin, Md.; C. M. Griffing, Jacksonville, Fla.; Geo. C. Roeding, Fresno, Cal.; H. D. Simpson, Vincennes, Ind.; program, Samuel Miller, Milton, Ore.; exhibits, (appointments to be made later); arrangements, J. B. Pilkington, Portland, Ore.; John Hall, Rochester, N. Y.; editing report, John Hall, Rochester, N. Y.; membership, James McHutchison, New York City, N. Y.

The annual report will be issued about Aug. 18.

DETROIT FLORIST CLUB.

There was a very large attendance at the last club meeting. It was the desire of the members to elect Mr. J. F. Sullivan to fill the office of president but that gentleman could not be induced, feeling that he would be unable to give the time and thought which a proper filling of the position would demand.

They were fortunately able to fall back on very good presidential timber in the person of Mr. Jerry K. Stock, one of the younger set whose selection is a guarantee of splendid good work during the coming year. The remainder of the official family is equally strong and well tried and consists of M. Bloy, vice-president; H. Schroeter, official scribe; Robt. M. Rahaley, watchman of the strong-box. An invitation of the New York club to join in its publicity campaign was received with enthusiasm and Messrs. Bloy, Scribner and Sullivan will look after this highly important matter.

At least 25 local florists will attend the Chicago convention, some of whom plan to go there in their autos.

FRANK DANZER.

FLORISTS' HAIL ASSOCIATION OF AMERICA.

The report of the officials of the Florists' Hail Association, for the year ending August 1st, 1912, will show that the sum of \$44,155.30 has been paid for glass broken by hail.

The year just ended has been one of the most disastrous in the history of the Hail Association, and the efficiency of that organization has again been shown by the prompt settlement of claims, although it has been necessary to use reserve fund securities as collateral to accomplish that purpose. The Directors have ordered the 24th Assessment to be levied Sept. 15, 1912, in order to secure funds to pay the moneys so borrowed.

JOHN G. ESLER, Sec'y.

FLORISTS' CLUB OF PHILADELPHIA.

There was a moderate attendance at the regular monthly club meeting on the 6th inst. Reports were made by the transportation, hotel, and sports committees. It was decided in the matter of transportation to go with the Baltimore and Washington contingents. If the Pennsylvania Railroad is decided on, then it will be the 8.40 train Monday morning, and join the Southerners at Harrisburg. If the Baltimore & Ohio, then the 10.17 train, picking up the others at Baltimore and Washington. The fares, Pennsylvania Railroad, one way, \$18.25; party ticket (10 or more), \$16.35. Baltimore & Ohio, \$17.00; party ticket, \$15.40. All members will be duly notified by postal. No decision was made on hotels, but a full and detailed report was given by the committee. The Grand Pacific and the Sherman seemed to be the prime favorites—and as Ed. Winterson said about the Sherman—were “our best bets.” The sports committee reported that they had been unable to get a bowling team for the convention in the usual way; and it was decided that the matter be left to John Dodds to pick a team from those who attend at Chicago. If John Dodds does not go, then the duty to devolve on John Westcott. The following publicity committee to co-operate with the New York Club at Chicago was appointed: Joseph Heacock, E. J. Fancourt, Albert M. Herr. The essay committee are arranging to have a review of the convention for the September meeting.

CLUB AND SOCIETY NOTES.

A regular meeting of the Cincinnati Florists' Society will be held on next Monday evening at the Flower Market.

The Florists' Club of Washington at its meeting on August 6 pledged the sum of \$200 towards the proposed Smith Memorial. The following members were appointed on a committee to consider the matter: William F. Gude, D. G. Grilbortzer, E. C. Mayberry, O. A. Oehmler, and George Field.

The flower and vegetable exhibition of the Lenox Horticultural Society will be held at Town Hall, Lenox, Mass., Thursday, August 22nd. The fall exhibition will be held at Town Hall, Thursday and Friday, October 24th and 25th. Schedules can be had by applying to G. H. Instone, Secretary.

The Southampton (N. Y.) Horticultural Society held its annual exhibition at the Art Museum grounds on Wednesday and Thursday last. The 135 classes were filled to overflowing and a brilliant and most interesting display was the result. A full list of the awards appears in the Southampton Press.

The August exhibition of flowers, fruits, and vegetables by the Massachusetts Horticultural Society will be held at Horticultural Hall, Boston, on Saturday and Sunday, August 10 and 11. Gladioli, phloxes, China asters, and seasonable annuals will be the chief features of the floral display. Apples, pears, peaches, and plums will be shown for the first time this season, while exhibits of vegetables will be of no less interest. In addition to the prizes offered by the Society the American Gladiolus Society offers a silver and a bronze medal for the best exhibit of gladioli, to be competed for

A NEW ROSE.



Edward Kress of Baltimore, has produced the handsome new rose herewith illustrated, by crossing Gruss an Tepitz and Etoile de France. This was five years ago, and Mr. Kress declares he now has “the best dark red ever-blooming rose for garden culture that has been produced in the last fifty years.” On several occasions during the past two years he has exhibited at the Gardeners' and Florists' Club of Baltimore magnificent blooms and last year a committee of ten appointed from the

Club, visited Mr. Kress and inspected in the early spring over 200 plants he had in a cold greenhouse, which at the time were in full bloom, some of the open blooms measuring six inches in diameter, and exquisitely fragrant. The Club awarded Mr. Kress a certificate of merit. This rose is perfectly hardy and has stood this past winter 16 below zero.

The photograph is from plants growing in two-and-a-half, and four-inch pots.

WASHINGTON NOTES.

J. Hooper Hetherington will spend his vacation at Atlantic City, N. J.

The Senate on Wednesday last agreed to the conference report on the Agricultural Appropriation Bill carrying \$17,000,000 for the fiscal year's work.

Mrs. Theodore Diedrich, accompanied by her son, Henry, has left her home in Congress Heights, D. C., for Europe. They will spend the balance of the summer in Germany.

At a joint meeting of the outing committee of the Florists' Club of Washington and Kallipolis Grotto, it was decided to hold another outing at Chesapeake Beach on Friday, August 23rd. Practically the same program that was planned for July 24th will be carried out.

As a result of a decision of the Interstate Commerce Commission free delivery of freight from the Penn., B. & O., and the Philadelphia, Baltimore and Washington stations will be allowed the merchants along Fourteenth street between Florida avenue and Park road, N. W. The merchants claimed they were being discriminated against as the Georgetown district, further distant, enjoyed the free delivery of freight and the Interstate Commerce Commission upheld their contention.

ST. LOUIS NOTES.

The American Apple Growers will hold their annual meeting at the Planters Hotel, Thursday, Aug. 22. T. C. Wilson is secretary.

The Bentzen Base Ball Club played the Sanders team Sunday and were beaten by a score of 7 to 6. Mullanphy and Grimm & Gorly also have base ball teams.

W. W. Chenoweth, secretary of the State Board of Horticulture, has resigned to accept a position as instructor in Horticulture at Massachusetts Agricultural College at Amherst, Mass.

We are going to have a large delegation from here to the S. A. F. convention next week according to F. H. Weber, State V. P. The delegation will be the largest that has yet attended a convention from here.

Ulrich Burkhardt, an old employee, is now in charge of the gate at the main entrance of Shaw's Garden, taking the place of Mrs. Asberghous who has held the position the past 22 years. Friends are now at work getting indorsement for her reinstatement. Things have changed greatly at the garden since Dr. Wm. Trelease and Prof. Irish departed.

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CHINESE SHRUBS

and

VINES

Do not fail to procure a copy of our *Illustrated Catalogue* which contains many choice varieties offered for the first time.

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WM. J. ZARTMANN, President
GEO. J. PEARSON, Sec'y and Treas.

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Nurseries, Cannon Station, Conn.
General Landscape Construction, Road Building,
Drainage Systems, Water Supply, Planting.

Personal

Arthur Newell, Kansas City, Mo., sailed for Liverpool on the Baltic, Aug. 1.

A. Barbe, alderman of Kansas City, Mo., sailed from New York for Europe last week.

John Trivatt of the Stumpp & Walter Co., New York, is enjoying a two weeks' vacation.

David Welch of Welch Bros., Boston, arrived from his transatlantic vacation, on the Franconia, July 31.

Otto Carlson, of Windsor, Vt., has been appointed head gardener for Miss Mary Gilmore, North Easton, Mass.

James Brown, formerly of Pomfret Center, Conn., is now employed on the F. L. Ames estate, North Easton, Mass.

We are sorry to learn that Curt Roehrs is quite ill with typhoid fever at his ranch in Roswell, New Mexico.

Frank Fischer, formerly with the Stuppy Floral Co., is now with the Pittsburgh Cut Flower Co., Gibsonsia, Pa.

Frank Davis has sold his interest in the florist business of R. R. Davis & Co., Morrison, Ill., to other members of the firm.

Sam. Woodrow of Woodrow & Marketos, New York, is located at the Mathewson House, Narragansett Pier, R. I., for the summer.

J. Leary has severed his connection with the Shaw Estate at Concord, Mass., and accepted a position with H. F. Winslow, Beverly, Mass.

Phil. Breitmeyer of Detroit is spending a few days in Philadelphia. Mrs.

B. & A. SPECIALTIES

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PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS PLANTS, EVERGREENS, ROSES, RHODODENDRONS, VINES AND CLIMBERS, AUTUMN BULBS AND ROOTS, CONIFERS, PINES

Florists are always welcome visitors to our Nurseries. We are only a few minutes from New York City; Carlton Hill Station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS
Nurserymen and Florists
Rutherford, N. J.



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Our Illustrated and Descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

Breitmeyer and daughter are motoring in the east. Mr. and Mrs. Harry Breitmeyer are motoring to Muskoka lakes.

New York visitors: Arnold Ringier, representing W. W. Barnard, Chicago; Arthur Newell and A. Barbe, Kansas City, Mo.; C. H. Plumb and son, Detroit, Mich.; W. R. Pierson, Cromwell, Conn.; John A. Evans, Richmond, Ind., returning from England; J. H. Sprague, Barnegat, N. J.

R. M. Ward arrived in New York on August 2, home from his second trip around the world. Judging from his increased avoirdupois it must have agreed with him. The bulb outlook in Japan is a favorite theme with Mr. Ward at all times and his views now supported by actual critical observation are interesting and instructive.

Boston visitor: G. X. Amrhy, Superintendent of Parks, New Haven, Conn.

INCORPORATED.

Pittsburgh, Pa.—Landscape Floral Co., capital stock \$5,000. Incorporators J. L. Grimes, James F. Grimes, and J. S. Schubert.

Dr. C. Hoeg, Decorah, Iowa, calls attention to the mis-spelling of his name in list of gladioli registered by American Gladiolus Society as published last week. He states further that his variety Decoration has been given cordial praise as a promising commercial cut flower variety, by Holm & Olson of St. Paul, Minn., and by A. L. Randall Co., Chicago, comparing very favorably with Mrs. Francis King.

CINCINNATI PERSONAL NOTES.

Ed. Bossmeyer of C. E. Critchell's is the latest of the vacationists.

Mr. and Mrs. Chas. Pfeiffer are again home after their journey to the Pacific.

Chas. Garvey of Peter Weiland's is again on the job after a stay with his folks at Indianapolis.

B. P. Critchell is 70 years old on Thursday, and is another to disprove the Osler theory, for he has many more years in him.

P. J. Olinger has returned from Chicago. He has announced his intention of visiting his brother-in-law in North Dakota in September.

Visitors: Julius Dilhof of Schloss Bros., New York; E. Y. Teas, Centerville, Ind.; E. P. Hall, Shelbyville, Ind.; and S. F. Peilant, Winchester, Ky.

CHINESE PRIMROSES

VERY BEST STRAIN. 2½ in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rates. ASPERAGUS PLUMOSUS for planting out. Extra heavy, 3 in., \$6.00 per 100; \$55.00 per 1000.

Cash with Order

FRANK OECHSLIN
4911 W. Quincy St., CHICAGO, ILL.

3000 FIELD GROWN CARNATIONS

Pink Delight, 6c.; Queen, Harry Fenn, White Perfection, 5c.

F. E. Palmer, BROOKLINE MASS.

FOR EARLY EASTER PLANT MICHELL'S HARRISII BULBS

Special Brand. The Best Produced in Bermuda

Every year the Florists are making greater demands for this particular strain, and we advise early ordering.

		Dozen.	100	1000
5 to 7 inches.....	400 bulbs to case.....	\$0.75	\$4.75	\$44.00
6 to 7 inches.....	335 bulbs to case.....	1.00	6.00	55.00
7 to 9 inches.....	200 bulbs to case.....	1.50	8.75	82.50
9 to 11 inches.....	100 bulbs to case.....	3.00	21.00	190.00

OUR COMPLETE WHOLESALE CATALOGUE MAILED FREE UPON REQUEST

HENRY F. MICHELL CO., 518 MARKET ST. **PHILADELPHIA**

CHICAGO NOTES.

New Society.

August 5th at the Sherman House, Chicago, a new fraternal society was organized called the Associated Florists' Salesmen's Society. Fred Longren was elected chairman and T. Waters, vice-chairman. The society will be broad in its scope and its objects will be more fully defined after the next meeting, August 19th.

Pleasant Meeting of Ladies.

Chicago members of the Ladies' Society of American Florists and a few others connected with the trade were entertained by Mrs. J. C. Vaughan last Thursday and business pertaining to the convention briefly discussed. Afterwards refreshments were served and the hostess then took the guests to the Jackson Park lagoon where a pleasant hour was spent in a launch. It was altogether an afternoon of delight and afforded a good opportunity to further acquaintance among those in the trade.

An invitation was extended by Mrs. Chas. L. Washburn to spend August 6th at her home in Hinsdale, Ill.

The ladies are showing considerable interest in the bowling and the following are practicing for the convention: Mrs. C. W. McKellar, Mrs. Geo. Asmus, Mrs. Guy French, Mrs. Aug. Poehlmann, Mrs. Adolph Poehlmann, Mrs. A. L. Vaughan, Mrs. Frank Ayers, Mrs. Jas. G. Hancock.

Personal.

C. E. Gullett of Decatur, Ill., is also a delegate to the Bull Moose convention.

G. L. Grant of Soquel, Cal., is at the Auditorium Hotel, an early arrival for the S. A. F. convention.

Mr. and Mrs. John J. Heintz and Mr. and Mrs. Fred G. Heintz and daughter from Terre Haute, Ind., motored to Chicago and spent several days calling on friends.

Other visitors are Mrs. Ennis of the Wisconsin Floral Co., Milwaukee, Wis.; Sam Seligman of Wertheimer's, New York; Wm. Jaap of Lester Park Greenhouses, Duluth, Minn.

J. F. Ammann of Edwardsville, Ill., is here as delegate to the Bull Moose convention. He also is making arrangements for the booth of the Illinois State Florists' Association at the convention.

The store force at Zech & Mann's this week is light, but the business

was rushing as in mid-winter early in the week. Allie Zech and wife returned from a lake trip to northern points and Miss Wolff left at once for Leesburg, Ind., and Fred Ottenbacher for a vacation.

PHILADELPHIA NOTES.

Announcement is made of the marriage of Mabel Carré Field to Robert Baird Gaul, on Wednesday, July 31. Mr. Gaul is one of the good boys in the Pennock-Meehan army.

Commodore Westcott is wrestling valiantly with the railroad for a party rate to Chicago. No progress. The railroads seem to feel they have us in a cavity and have no inducements to offer any move. "Whom the gods would destroy they first make mad." The railroad kings have completely lost perspective and are galloping to destruction.

John F. Sibson for the past 22 years gardener on the McKean estate, Germantown, Philadelphia, has bought 15 acres of land, the old Rasmussen place, at Lansdale, Montgomery Co., Penna., and will erect a commercial establishment. Both Mr. and Mrs. Thos. McKean being deceased, the Germantown place is sold and being cut up into building lots.

Visitors: Mr. Gudekunst, Fairfields, W. Va.; W. E. McKissick, Washington, D. C.; Granville, Ernest, and W. F. Gude, Washington, D. C.; Robt. Pyle, West Grove, Pa.; also James B. Kidd of the New York City customs service, on a vacation, and visiting relatives

and friends. Mr. Kidd is an old-time seedsman, and still has many friends in that line—who welcome him affectionately for "Auld Lang Syne."

Words of welcome are in order for four of our returned world wanderers: Alexander B. Scott, Howard M. Earl, Charles Sim and George Fowler. All well and a splendid voyage. We detected none of the cockney accent in Howard (over the 'phone) but he sent the Philadelphia office of HORTICULTURE a London cap to replace the "MacTavish" which has been our trade-mark so long—so there must be some Piccadilly influence! Else he'd have bought it near the Broomilaw.

Mr. Bowers, the able advertising manager for M. Rice & Co., says that their new catalogue which will soon be out, will be his first baby, and while, like all fond papas, he modestly looks at you with the glistening eye, and that expression of eager expectancy which says: "Isn't he a peach," yet does not say anything—it would seem to be up to all of us to respond by at least a word of praise for the baby—if we cannot send a little order. But an order is the highest encomium—so send that along with your bouquet, and thus doubly please papa Bowers—and grandpapa Eschner.

In our New York notes of last week a slight inaccuracy occurred. Moore, Hentz & Nash have not "acquired" but are managers and selling agents for the Bedford Flower Co., Bedford Hills, N. Y.

CHICAGO HOTEL RATES.

This list includes all the important hotels easily reached from the place of meeting, with the special rates offered for the convention.

The Hotels.	Single Without Bath.	Single With Bath.	Double Without Bath.	Double With Bath.
Auditorium	\$1.50 to \$2.50	\$2.50 to \$4.00	\$3.00 to \$4.00	\$4.00 to \$6.00
Blismarck	1.00 to 1.50	1.50 to 2.50	2.00 to 3.00	3.00 to 5.00
Blackstone	2.50	3.00 to 5.00		5.00 to 8.00
Brevort	1.50 to 2.50	2.50 to 4.00	3.00 to 4.00	4.00 to 5.00
Congress	2.00 to 3.00	3.50 to 5.00	3.00 to 4.00	5.00 to 7.00
Grand Pacific	1.50	2.00	2.00	3.00
Great Northern	1.50 to 2.00	2.50 to 4.00	2.50 to 3.50	3.50 to 6.00
Kaiserhof	1.00 to 2.00	2.00 to 2.50	2.00 to 3.00	3.00 to 4.00
La Salle	2.00 to 3.00	3.00 to 5.00	3.00 to 5.00	5.00 to 8.00
Lexington	1.00 to 2.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00
Morrison	1.00 to 1.50	2.00 to 3.00	2.00 to 3.00	3.00 to 5.00
Palmer	1.50 to 2.00	2.50 to 3.50	2.00 to 3.00	3.00 to 4.00
Saratoga	1.00 to 2.00	1.50 to 2.50	2.00 to 4.00	3.00 to 5.00
Sherman		2.00 to 4.00		3.00 to 6.00
Stratford	1.50	2.00 to 4.00	2.50	3.00 to 6.00
Majestic	1.50 to 2.00	2.50 to 3.00	2.50 to 3.00	4.00 to 5.00
Southern	1.00 to 1.50	1.50 to 3.00	2.00 to 2.50	2.50 to 4.00
Wellington	1.00 to 1.50	2.00 to 3.00	2.00 to 2.50	4.00 to 5.00
Windzor Clinton	1.00 to 1.50	2.00	1.50 to 2.50	3.00

Reservations may be made through the chairmen and vice-chairmen of the local hotel committees, as follows:

J. B. DEAMUD,
160 North Wabash Avenue, Chicago.
T. E. WATERS,
32 East Randolph Street, Chicago.

ROBERT NEWCOMB,
31 West Randolph Street, Chicago.
WM. LANGHOOT,
31 West Randolph Street, Chicago.

Seed Trade

The Bourne Bill.

They say now that this dastardly measure to help the express companies and increase postage, has been tacked on to the P. O. appropriation bill and is in great danger of being passed under financial pressure and without consideration of its demerits. Telegraph your congressman at once. E. C. Dungan, manager for William Henry Maule, has been doing energetic work on the postal committee which is strenuously opposing this iniquitous bill. W. Atlee Burpee is the able chairman of the committee, and no one knows better than he how to get good work out of his coadjutors.

The following correspondence over the signature of W. Atlee Burpee is self explanatory:

Honorable Wm. E. Cox, House of Representatives, Washington, D. C.

Dear Sir:—Your courteous favor of July 26th has only reached me today, owing to absence from town on Saturday. I have read with much pleasure your statement: "I am in favor of a parcels post, and while I doubt very much we can get a perfect bill through this session of Congress, still we can establish the principle of a parcels post, and later on Congress can make the bill as near perfect as possible."

Permit me to suggest that this "Principle of a Parcels Post" may be established now upon an easy, simple and workable plan with profit to the Post Office Department and real benefit to all the people,—as per Hon. Mr. Sulzer's Bill H. R. 9844.

In reading over my telegram of July 25, 1912, to Hon. John A. Moon, Chairman Committee Post Office and Post Roads, copy of which was mailed to you, I find that the adjective "iniquitous" was used twice in designating the Bourne Bill! But, really, this Bourne Bill even as amended (by the omission of third-class matter) is still doubly iniquitous.

In the first place, it advances by 50 per cent. (12 cents per pound instead of 2 ounces for 1 cent, the rate on all seeds, bulbs, plants, and scions that are mailed over 1800 miles. It advances by 400 per cent. the postage on five or six ounces of seed.

This "joker," which will put a needless burden upon farmers, gardeners, seedsmen and plantsmen, lies in the fact that while the Senate Committee have been persuaded by the protests of publishers and catalog men (including our committee) to let third-class matter remain as at present, two ounces for 1 cent, yet if you will refer to

the paragraph on page 221 P. L. & R. immediately following Section 482 you will see that seeds, plants, bulbs, and scions, while having been mailed at third-class rates ever since 1888, are designated fourth-class matter, and, consequently, unless their classification should be specially changed to third-class, must pay this 50 per cent. (or more) advance. A package of seeds weighing five ounces would cost 12 cents, while first-class matter, such as letters, would cost but 10 cents! And yet this is unanimously recommended by the Senate Committee.

Secondly, it would seem that Senator Bourne hardly plays fair in the closing paragraph of a typewritten statement from him that arrived in the same mail as your letter on Saturday. After telling of the elimination of the idea of the proposed consolidation of third and fourth-class matter and giving the rates of the new Eight Zone Schedule, he says: "You will observe our highest rate is equal to the International Parcels Post rate." What justification has Senator Bourne for the term "The International Parcels Post rate?"

If you will kindly refer to the rates charged by Great Britain and Germany on foreign Parcels Post, you will find that an eleven-pound package coming through the International Parcels Post from Great Britain costs about 79 cents (3s 3d) and from Germany 86 cents (3 m. 50 pf.), whereas under the Bourne Bill the same weight package at distances of over 1800 miles would cost \$1.32 if originating in America.

What possible objection could there be to making a uniform flat rate of 2 ounces for 1 cent or 8 cents per pound (as now applies to third-class matter and to seeds, bulbs, and plants), and at the same time increase the limit of weight from four pounds to eleven pounds? This would be profitable to The Post Office Department and exactly the same as the present prepaid rate charged by express companies for transportation across the continent,—from the Atlantic Coast to California.

Should a Zone System still be considered desirable by you and your colleagues, why not apply it experimentally only to a radius of 50 to 100 miles from starting point? The complicated and unintelligible Zone System of the Bourne Bill would not be feasible in that it would entail so much additional and unnecessary labor upon both the post office and the people,—figuring the varying charges for postage. Should a complete Zone System ever be adopted, it seems to me that it would be necessary to have greatly increased facilities, as so ably explained in the Honorable Mr. Lewis' report on the Postal Express.

To do my part toward preventing the possibility of the passage of such legislation as the Bourne Amendment, which would charge American citizens \$1.32 for less service than given to foreigners for 79 to 86 cents, I shall mail copy of this letter to each of your fellow members of the House. Although it has been impossible since the introduction on May 16th of the Bourne Bill to get a hearing before the Senate Committee, I feel quite sure, as do my colleagues, that the American people can count upon receiving just treatment from their direct Representatives in Congress.

With assurance of high esteem,

(Signed) W. ATLEE BURPEE,
Chairman Committee on Postal Laws of
the American Seed Trade Association

J. C. VAUGHAN,
Vice Chairman, Chicago.
E. C. DUNGAN,
Philadelphia, Pa.
W. F. THERKILDSON,
Painesville, Ohio.
C. C. MASSIE,
Minneapolis, Minn.

July 31, 1912.

Today I have read with pleasure H. R. 26006, introduced July 27, 1912, by the Honorable William Sulzer, Chairman Committee on Foreign Affairs. Permit me to urge that a better bill could hardly be conceived.

A general Parcels Post for Fourth-Class matter at 10 cents per pound for the first pound and 5 cents per pound for each additional pound should entail no loss to the Post Office Department and would be a great boon to all the people.

The only improvement that occurs to me now would be to make the flat rate 1 cent for each two ounces up to two pounds, then each additional pound or fraction of a pound 5 cents per pound. This makes the 11 pound package cost only 1 cent more but gives an advantage to the people on small packages without any possible danger of loss to the Post Office Department.

W. A. B.

Horseshoe Brand Lily Bulbs

The crops of all early forcing lily bulbs of good quality are very short this year, owing to a lack of rain at the proper time. At such times many bulbs of inferior quality find a ready sale in the market. Those who want good lily bulbs should therefore not delay a day in placing their orders. The following are the revised prices for Horseshoe Brand bulbs, the best produced in the World. Immediate delivery.

LILIAM HARRISII.

From the celebrated Stephens Bros. fields.
Size 5/7 in., \$15.00 per case of 400 bulbs.
" 6/7 in., 13.50 per case of 335 bulbs.
All larger sizes are sold.

LILIAM FORMOSUM.

Excellent stock—extra in size and quality.
Size 6/8 in., \$20.00 per case of 400 bulbs.
" 7/9 in., 22.50 per case of 300 bulbs.
" 8/10 in., 22.50 per case of 250 bulbs.
" 9/10 in., 22.00 per case of 200 bulbs.
" 9/11 in., 19.80 per case of 180 bulbs.
" 10/11 in., 18.00 per case of 150 bulbs.
" 11/13 in., 18.00 per case of 120 bulbs.
We advise early orders—very limited stock.

LILIAM GIGANTEUM—(to arrive soon).

Size 6/8 in., \$16.00 per case of 400 bulbs.
" 7/8 in., 16.00 per case of 350 bulbs.
" 7/9 in., 16.00 per case of 300 bulbs.
" 8/10 in., 22.50 per case of 250 bulbs.
" 9/10 in., 22.00 per case of 200 bulbs.
" 9/11 in., 21.60 per case of 180 bulbs.
" 10/11 in., 22.50 per case of 150 bulbs.
" 11/13 in., 24.00 per case of 120 bulbs.

The above Giganteum are from the finest fields in Japan. Prices on Auratum, Rubrum, Magnificum, Album, etc., etc., upon application.

FRENCH BULBS.

From the celebrated fields of Martial Bremond, world's largest grower of French Bulbs.

Paper White Grandiflora.

	Per 1,000	Per 10,000
13 cm. and up.	\$8.00	\$75.00
14 cm. and up.	10.00	90.00
15 cm. and up.	13.00	120.00

Prices are F. O. B. New York City, duty paid, terms three months or 2 per cent. ten days. A special discount of 5 per cent. will be granted only when cash accompanies the order.

Write for the Book of Bulbology



Ralph M. Ward & Co.

71 Murray Street
NEW YORK CITY

Not How Cheap
But How Good

FERN SEEDLINGS

In the leading best varieties, ready now for potting. For assorted varieties, \$1.50 per flat; 10 flats at \$1.25 each; 50 flats at \$1.00 each. Plants packed out of flats for shipment. 110 clumps to a flat.

Kentia Belmoreana and Forsteriana, from 2 1/4 inch pots, \$6.00 per 100; from 3 inch pots, \$12.00 to \$15.00 per 100.

PHOENIX ROEBELENI

From 3 1/4 inch pots, well rooted, ready for shifting, \$6.00 per dozen; \$40.00 per 100.

ASPARAGUS PLUMOSUS NANUS

Transplanted Seedlings, well branched, from flats, \$1.50 per 100; also 2 1/4 inch pots, \$6.00 per 100.

All express orders. Cash with order, please.

B. SOLTAU FERNERY

199 Grant Ave., Jersey City, N. J.

FLOWER SEEDS

For Early Sowing

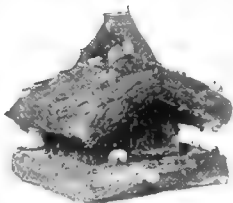
Price List for the 1912

The W. W. Barnard Co.

231-235 W. Madison St., CHICAGO, ILL.

When writing to advertise
mention HORTICULTURE.

Bring Back the Birds



While you are working out in the garden, why not provide a home for the birds that help to make life in the country really worth while? A rustic house placed in a tree or on a pole will make an excellent home for the birds and add to the attractiveness of the surroundings. We have them in all sizes and shapes to suit any style of architecture.

LOG CABIN NO. 1 10 Inches Wide \$1.00
One-Family 10 Inches High

LOG CABIN NO. 2 12 Inches Wide \$2.50
Two-Family 12 Inches High

LOG CABIN NO. 3 14 Inches Wide \$4.50
Two-Family 14 Inches High

Stumpp & Walter Co.

50 Barclay Street - New York City

OFFICE
109 BROAD STREET
NEW YORK

Phone 242 Broad

THEO. FICKE TRUCKMAN

Established 1890

BRANCH
844 WASHINGTON ST.
NEW YORK

Phone 1508 Chelsea

**Special Attention Given to Import Freight
Accounts in or out of Town Solicited**

Seed Trade

The Bourne Bill Condemned.

At a special meeting of the Florists' Club of Philadelphia held on the 7th inst., the following resolutions were passed and a copy of same ordered to be forwarded to the Senate and House Committees in Washington:

Resolved, That the increased rates on plants, scions, seeds and similar products of the farmer and florist proposed in the Bourne Bill is a direct blow at the progress of our florist industry and the civilization of the country; and further

Resolved, That we demand that our members of Congress forget their interests in the express companies once and for all and kill this iniquitous Bourne Bill.

Resolved, Also that we want the real thing in Parcels Post and not a make-believe. A real Parcels Post and nothing else. We are forty years behind the rest of the world. Let no stone be left unturned to bring our nation to the front.

Signed: Edwin J. Fancourt, George C. Watson, H. Donaldson, Committee
Attest: J. Otto Thilow, President.
David Rust, Secretary

Lily Bulbs.

We learn from reliable sources that the output of Formosa lily bulbs will fall far short of the demand this year and only those dealers who ordered in excess of their actual requirements will be able to fill orders complete. Giganteums will be in fairly good supply but of varying quality. Multiflorums away below standard and unsatisfactory as a rule.

Notes.

Portland, Ore.—R. L. Scott has resigned his position with the Portland Seed Co.

Portland, Ore.—The Portland Seed Co., 180-186 Front street, will build a five-story warehouse on East Alder street.

Denver, Colo.—The Barteldes Seed Co.'s plant, 1521 15th street, was damaged by the recent flood to the extent of about \$10,000.

Palatka, Fla.—C. H. Kennerly has opened a wholesale and retail seed store in the Hickman-Kennerly Block on Lemon street.

Bulletin No. 3 of the Webster Dahlia and Gladiolus Association has been issued. It gives the premium list for the fall show to be held at the Wisconsin State Fair, Milwaukee, Sept. 11-14, 1912, also some interesting reading matter.

A European business house is desirous of getting in touch with American manufacturers of liquid insecticides. Further information can be obtained from the Bureau of Manufacturers, Washington, D. C., by referring to File No. 9297.

GREENHOUSES BUILDING OR CON- TEMPLATED.

Lonsdale, Pa.—J. F. Sibson, range of houses.

Albion, Mich.—Carl L. Jacobs, house 50 x 200.

Los Gatos, Cal.—E. E. Edmondson, one house.

Baltimore, Md.—Edward Van Reuth, one house.

Woburn, Mass.—Samuel Petrilla, violet house.

Patchogue, N. Y.—William Stone, three houses.

Everett, Mass.—Osgood Bros., Elm street, one house.

Duluth, Minn.—William Jaap, Lester Park, one house.

Lexington, Mass.—Breck-Robinson Co., range of houses.

Wellesley, Mass.—William R. Morris, rose house, 40 x 300.

Harrisburg, Pa.—Albert Abendroth, 1810 Briggs street, one house.

Lebanon, Pa.—Lebanon Nursery & Greenhouses, range of houses.

Lexington, Ky.—Michler Bros., 415 East Maxwell street, one house.

Chicago, Ill.—H. C. Blewitt, 82 East Randolph street, house 34 x 150.

Warren, Ohio.—H. W. Ward, North Mahoning avenue, lettuce house, 32 x 150.

Shelbourne Falls, Mass.—W. E. Shaw, Creamery avenue, house 40 x 130.

St. Louis, Mo.—Albert Senger, Lexington Ave., two houses; Kroeschell heating apparatus.

Atlanta, Ga.—J. S. Coursey, two houses each 20 x 100. Alto-Vista Floral Co., house 25 x 100.

Louisville, Ky.—F. Walker & Co. will build a range of houses on land recently purchased and the place will be known as the Deer Park Conservatories and Nurseries.

Nanz & Neuner, 666 4th avenue, rebuilding range of houses.

Visitors at the convention in Chicago, will be interested in the exhibit of the Lemon Oil Company of Baltimore, Md., who will have a booth for the display of their standard Insecticide. This is a non-odorous, non-poisonous preparation which is being extensively used, with most satisfactory results. It is proposed to distribute advertising literature, and give demonstrations of the efficacy of the Lemon Oil Co.'s Insecticide at the booth.

NEWS NOTES.

Jackson, Miss.—W. M. Downer is no longer connected with the Mississippi Nursery & Floral Co.

Elmhurst, N. Y.—The greenhouses of Albert Wittman, Hoffman boulevard, have been leased by Otto C. Kreft.

Indianapolis, Ind.—C. M. Yates, 2620 Highland place, has temporarily gone out of business as his property has been cut by a street.

Dows, Iowa.—I. H. Shaffer has purchased two greenhouses in Emmetsburg which he expects to move here as an addition to his plant.

North Yakima, Wash.—On July 15, the Northwest Nursery Co., was placed in the hands of a receiver. Assets about \$5,000, liabilities \$6,000.

Fergus Falls, Minn.—On July 9 a tornado destroyed several thousand feet of glass in the Mehlin greenhouses, Mill street and Summit avenue.

Omaha, Neb.—A miniature whirlwind on July 31, damaged the greenhouses being erected for J. F. Wilcox & Sons to the extent of several thousand dollars.

Elkhart, Ind.—M. W. Stark has purchased the greenhouses of William Currier, 313 Hickory street, and will conduct them under the name of the Elkhart Florist Co.

Salt Lake City, Utah.—The Utah Nursery Co. has increased its capital stock from \$50,000 to \$125,000. They have changed their place of business to Sugar post office.

Berkeley, Cal.—W. H. Wolters, nurseryman, 2906 Ellsworth avenue, has leased a lot on Shattuck avenue, near University, on which he is erecting a show-room 14 x 18 feet.

Lebanon, Pa.—The Lebanon Nursery and Greenhouses are to be established near Front and Maple streets by Charles Kohr and Karl Schmidt. They will build a range of houses.

**Place Your Order Now For
AYRES' WINTER FLOWERING
SWEET PEA SEED**

For Fall Delivery

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

Sunnyslope

Independence, Mo.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Thorburn's Seeds

Asparagus Plumosus Nanus

NEW CROP NOW READY.

Per 1000 seeds, \$1.50; 5000 and up @ \$1.25 per 1000.

NEW CROP BERGLINDEN STRAIN

CYCLAMEN GIGANTEUM SEED

JUST RECEIVED

PRICES IN OUR BULB CATALOGUE

BULB CATALOGUE NOW READY — SEND FOR A COPY

J. M. THORBURN & CO.

33 Barclay Street, - NEW YORK

Vick Quality Seeds, Plants, Bulbs

ASK FOR

Wholesale Catalogue

JAMES VICK'S SONS,
Seedsmen
ROCHESTER N. Y.

TOMATO SEED

BEST STOCKS. ALL VARIETIES.

The Haven Seed Co.

Growers for Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

Burpee's Seeds

PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.

NEW CROP FLOWER SEEDS

PRIMULA, Obconica (in colors), PANSY, American Show, and all other varieties in mixtures and separate colors. ANTIRRHINUM, giant flowering, in colors. STOCKS, for forcing, all varieties and a full line of Perennial Flower Seeds.

Write for list.

WEBER & DON

Seed Merchants and Growers,
114 Chambers Street, New York.

Oklahoma Seed Growers Co.

Contract Growers of

Watermelon and Muskmelon Seeds

for the Wholesale Trade only

Enid - - Oklahoma



"THE KENILWORTH STRAIN" of GIANT PANSY SEED

Must not be compared with the flimsy Trimardeau

It is much larger and of good substance; the immense flowers, of 3½ to 4 inches, are of perfect form, and every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. The Stock Plants are most critically selected. It is rich with shades of brown, bronze, red, mahogany, and many others too numerous to mention. Light, Medium or Dark Mixtures. Read what Growers say about my strains of Pansy Seed in HORTICULTURE of July 20.

1912 SEEDS NOW READY

PANSIES IN SEPARATE COLORS.

Per 1000 Seeds
Giant Adonis, beautiful light blue...25c
Giant Emperor William, ultramarine blue...25c
Giant King of the Blacks, coal black...25c
Giant Lord Beaconsfield, violet, shading to white...25c
Giant Golden Queen, yellow...25c
Giant Golden Yellow with dark center...25c
Giant Masterpiece, beautifully ruffled, with a wide range of color...25c
Giant White, very fine...25c
Giant White with large violet center...25c
Giant Red, a fine mixture of red shades...25c
Giant Royal Purple, fine large flower...25c
Giant Orchid-flowering, rare shades...25c
Giant Bronze and Copper Shades...25c
Giant Light Blue, delicate shades of blue...25c
Giant Dark Blue, deep blue shades...25c
Giant Zebra Mixed Shades, striped...25c

2000 seeds, 50c.; 5000 seeds, \$1.00;
¼ ounce, \$1.25; ounce, \$5.00.

Preceding 16 Sorts Mixed, in equal proportions, per 1000 seeds, 25c.; any 5 pkts., \$1.00; any 11 pkts., \$2.00.

The Rainbow blend is grown from the latest introductions of giant pansies of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send 1000 of Rainbow free, and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds }

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

Write for Prices

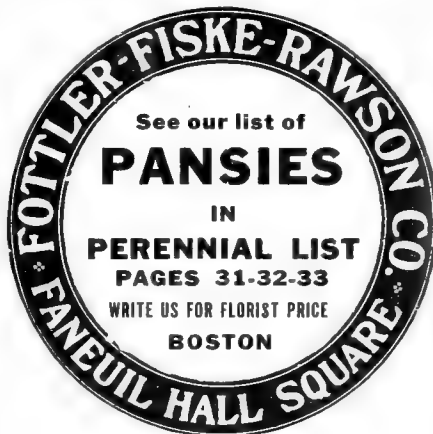
COLD STORAGE 7 TO 9 LILIUM GIGANTEUMS

In Case Lots Only

300 Bulbs to the Case at \$6.50 per hundred

Only a Few Cases Left

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J. C. Robinson Seed Co.

Waterloo, Neb.
Rocky Ford, Colo.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar, Flint and Field Seed Corns.

PRINTING

Fruitmen Horticulturists, and Poultrymen should get their printing done by specialists. Write for prices to THE REX CO., Harrisburg, Pa.

J. BOLGIANO & SON

WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

Write For Our Low Prices

LIGHT, PRATT and ELLICOTT STS.
BALTIMORE, MD.

FRENCH AND DUTCH BULBS

Ask for prices

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

POINSETTIAS 2 1-2 in. strong, \$5 per 100;
\$45 per 1000

CYCLAMEN SEED the celebrated English strain, \$9 per 1000

PANSY SEED, home-grown, finest giant strain, \$5 per oz.

Send for Catalogue.

S. S. SKIDELSKY & CO.
1215 Betz Bldg. Philadelphia.



Florists' Telegraph Delivery

(Retailers' Section—S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Write for particulars to

Provision for guaranteed accounts.

IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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Cor. Michigan Ave. and 31st St.,
CHICAGO, ILL.

(Member Florists' Telegraph Delivery Asso.)

We ship to all points in Illinois and Iowa.
Phones: Aldine 880. Aldine 881. Aldine 882.

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Kansas City, Mo.
913 Grand Ave.

Member of the Florists' Telegraph Delivery.

All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE
Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

GEORGE M. STUMPP

761 Fifth Ave., Cor. E 58th St.

NEW YORK CITY

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Asso.

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

Of Interest to Retail Florists

Chicago, Ill.—Ed. Miscuvicz, retail florist, is now located at 3112 South Halsted street.

Worcester, Mass.—The Quarrey Floral Co. has opened a branch store at Franklin Square.

Newark, Ohio—The florist business of A. J. Baldwin, opposite Cedar Hill cemetery, has been purchased by Paul M. Halbrooks.

San Francisco, Cal.—The florist store—the Sign of the Rose—Powell street, has been closed, the proprietors having gone out of business.

STEAMER DEPARTURES

Allan.

Parisian, Boston-Glasgow... Aug. 13

American.

New York, N. Y.-S'hampton... Aug. 17

St. Paul, N. Y.-S'hampton... Aug. 24

Atlantic Transport.

Minneapolis, N. Y.-London... Aug. 17

Minnetonka, N. Y.-London... Aug. 24

Cunard.

Laeonia, Boston-Liverpool... Aug. 20

Hamburg-American.

Amerika, N. Y.-Hamburg... Aug. 15

Pennsylvania, N. Y.-Hamb'g... Aug. 17

Cincinnati, N. Y.-Hamburg... Aug. 22

Holland-America.

Rotterdam, N. Y.-Rotterdam... Aug. 13

Potsdam, N. Y.-Rotterdam... Aug. 20

Leyland.

Devonian, Boston-Liverpool... Aug. 17

Winifredian, Boston-Liverp'l... Aug. 24

North German Lloyd.

F. der Grosse, N. Y.-Bremen... Aug. 13

Berlin, N. Y.-Bremen... Aug. 17

K'p'z Wilhelm, N. Y.-Bremen... Aug. 20

Pz. F. Wilhelm, N. Y.-Brem'n... Aug. 24

Red Star.

Kroonland, N. Y.-Antwerp... Aug. 17

Finland, N. Y.-Antwerp... Aug. 24

White Star.

Cymric, Boston-Liverpool... Aug. 13

Canopic, Boston-Liverpool... Aug. 15

Celtic, N. Y.-Liverpool... Aug. 15

Olympic, N. Y.-S'hampton... Aug. 17

Adriatic, N. Y.-Liverpool... Aug. 22

Majestic, N. Y.-S'hampton... Aug. 24

Maryville, Mo.—L. M. Strader is now sole proprietor of the florist business of Strader & Wilson, the partnership having been dissolved.

Kansas City, Mo.—Henry Kusik & Co., florist supplies, Minneapolis, Minn., has leased a store in the new Y. M. C. A. building on McGee street.

Detroit, Mich.—J. F. Sullivan, florist, has taken a 20-year lease of the store 361 Woodward avenue. A McCray refrigerator, tile-floor windows and other improvements have been added and a conservatory, 20 x 85, will be erected at the back of the property. This will be a branch of his store at 214 Woodward avenue and will be in charge of Mr. Sullivan's son, Norman.

NEW FLOWER STORE.

Portland, Ore.—George Betz, Jr., St. Johns.

J. A. VALENTINE, Denver, President.
W. J. PALMER, Buffalo, Vice-President.
W. L. ROCK, Kansas City, Treasurer.

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Ernest Wlenhoeber, Philip Breitmeyer,
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Fred H. Meinhardt.

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571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Must be Prepaid

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL.

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Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

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Telephone 1552-1553 Columbus

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42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

BROOKLYN—NEW YORK

Wilson

3 & 5 Green Ave.
Tel. 6800 Prospect

337-347 Green Av.
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THE ROSERY

76 MAIDEN LANE

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY

ALBANY, N. Y.

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

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Estab. 1877

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Amsterdam, N. Y.

Schenectady, N. Y.

Established 1871

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City
(Member Florists' Telegraph Delivery Asso.)

Flowers by Telegram, Steamships, Special Correspondence, and the large cities of Europe and British Colonies. Telegram and Cable Address, DARDSPAR.

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JACOB SCHULZ,
550 South Fourth Ave.

Member Florists' Telegraph Delivery.



Wholesale and Retail Florists

You both will profit by using McCray Refrigerators. Don't cut down prices because of spoilage. Stop the spoilage. Our patented refrigeration will keep your stock fresh because of the perfect circulation of cold, dry air.

McCray Refrigerators

Are made not only in stock sizes but are built-to-order to suit your requirements. Write to-day for our Free Catalog No. 72 which will give you ideas to help you add to the attractiveness of your establishment.

McCRAY REFRIGERATOR CO.

Chicago Office, 55 Wabash Ave.
New York Office, 231 West 42nd St.

353 Lake St., Kendallville, Ind.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

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TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
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BOSTON'S BEST In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, BOSTON.

CARBONE

Member Florists' Telegraph Delivery
342 Boylston St., Boston

Vases, Garden Furniture, Art Goods and New Designs in Tuscany Baskets for Florists' Use, in Wholesale Department.

H. F. A. Lange

WORCESTER, - MASS.

Deliveries to all Points in New England.
125,000 square feet of glass.

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Narragansett Pier and All Other Rhode Island Points

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Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2139
Members Florists Telegraph Delivery

Of Interest to Retail Florists

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosary, 78 Maiden Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.

Boston—Penn, the Florist, 37-43 Bromfield St.

Boston—Julius A. Zinn, 1 Park St.

Boston—Philip L. Carbone, 342 Boylston St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Indianapolis, Ind.—Florists' Telegraph Deliveries, 241 Massachusetts Ave.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Washington Sq.

New York—George M. Stumpp, 761 Fifth Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

Providence, R. I.—T. J. Johnston & Co., 171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main St., West.

Rochester, N. Y.—J. B. Keller & Sons, 25 Clinton Ave., N.

St. Paul—Holm & Olson, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F. St.

Wellesley, Mass.—Tailby.

Worcester, Mass.—H. F. A. Lange.

New York, N. Y.—The Rosary, East 34th street, is putting in an entire new store front.

PROVIDENCE, R. I.

and all **T. J. JOHNSTON & CO.**
New England Points 171 Weybosset Street, Providence

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Penn the Florist

"Penn, The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET



WASHINGTON,
D. C.

GUDE'S

Member Florists' Telegraph Delivery.

Chicago.

A. LANGE,
25 E. MADISON ST.

Flower Deliveries in
ROCHESTER, N. Y.

Salter Bros
38 MAIN STREET, WEST.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

The Far-Famed Flowers of

TORONTO

Delivered on mail or telegraph order on any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., TORONTO

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Ha Schools. **TAILBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 44-2

CHANCE AND DISAPPOINTMENT ARE ELIMINATED WHEN YOU BUY OUR

CARNATION PLANTS

We guarantee our plants to be healthy, strong stock, free from disease. Let us know the quantity you want and what varieties, and we will quote you prices.

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner 12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers?

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR
FLORIST'S
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THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST. BOSTON
N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

POEHLMANN BROS. CO.

Cut Flowers All the Year Round

33-35-37 RANDOLPH STREET,
Greenhouses, Morton Grove, Ill.

CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	BOSTON August 8		CHICAGO August 6		ST. LOUIS August 6		PHILA July 30	
Am. Beauty, Fancy and Special....	15.00	to 25.00	20.00	to 25.00	15.00	to 25.00	20.00	to 30.00
" " Extra.....	10.00	to 15.00	15.00	to 20.00	.....	to 10.00	10.00	to 15.00
" " No. 1.....	6.00	to 8.00	10.00	to 15.00	.....	to 8.00	.....	to
" " Lower Grades.....	1.00	to 4.00	4.00	to 8.00	3.00	to 4.00	.....	to 8.00
Killarney, Richmond.....	.50	to 6.00	4.00	to 6.00	.....	to 5.00	4.00	to 6.00
My Maryland, Kaiserin, Carnot.....	.50	to 6.00	.....	to .....	.....	to .....	.....	to 6.00
Bride, Maid.....	.50	to 4.00	.....	to	3.00	to 4.00	.....	to 6.00
Taft, Hillingdon, Ward.....	1.00	to 6.00	4.00	to 6.00	.....	to	3.00	to 8.00
CARNATIONS .....	.50	to 1.50	1.50	to 2.00	1.00	to 1.50	1.00	to 3.00
MISCELLANEOUS								
Cattleyas.....	50.00	to 60.00	20.00	to 40.00	40.00	to 50.00	.....	to 60.00
Lilies, Longiflorum	4.00	to 8.00	8.00	to 12.00	6.00	to 8.00	.....	to 10.00
" Speciosum.....	.....	to 3.00	.....	to .....	.....	to .....	.....	to 1.00
Lily of the Valley.....	2.00	to 3.00	2.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Gladioli.....	2.00	to 8.00	2.00	to 5.00	1.50	to 5.00	3.00	to 4.00
Asters .....	.15	to 1.00	1.00	to 4.00	1.00	to 3.00	1.00	to 2.00
Daisies .....	.....	to .50	.50	to 1.50	.15	to .35	.....	to .50
Sweet Peas .....	.15	to .50	.30	to .50	.15	to .25	.25	to .50
Gardenias.....	.....	to 25.00	.....	to .....	.....	to .....	.....	to 10.00
Adiantum.....	1.00	to 1.50	.....	to .75	1.00	to 1.25	1.00	to 1.50
Smilax.....	8.00	to 12.00	15.00	to 20.00	12.00	to 15.00	15.00	to 20.00
Asparagus Plumosus, Strings (100).....	.....	to 50.00	50.00	to 75.00	35.00	to 50.00	.....	to 50.00
" " & Spreng. (100 Bchs.).....	25.00	to 50.00	25.00	to 50.00	15.00	to 25.00	.....	to 50.00

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

GEORGE B. HART

WHOLESALE FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS
CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati.

J. A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

CHICAGO CARNATION COMPANY

A. T. PYFER, Manager

30 East Randolph Street,

CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, CHICAGO

ASTERS

The mid-season varieties are now coming in in quantity, good sized flowers with long stems, splendid quality; pinks, purples and whites. Orders of any size can be taken care of on short notice. Shipments reach us daily about 8 a. m. \$1.00 to \$2.00 per 100; Extra Long, \$3.00 per 100.



HEADQUARTERS FOR GREENS

GREEN GALAX. \$1.50 per 1,000; \$7.50 per 10,000.
BRONZE GALAX. \$1.50 per 1,000; \$8.50 per 10,000.
LEUCOTHOE SPRAYS (green) \$1.00 per 100; \$9.00 per 1,000.
GREEN SHEET MOSS. \$3.50 per bag.
SPHAGNUM MOSS. 10-bbl. bales, nicely burlapped, each \$4.00; 5 bale lots, \$3.75 each; 10 bale lots, \$3.50 each; 25 bale lots, \$3.25 each.
DAGGER FERNS. Extra fine selected stock, \$2.00 per 1,000.

RIBBONS AND SUPPLIES. Many new patterns in exclusive Ribbons. Write us for prices on these and on Supplies.

During July and August we will close at 5 P. M.

S. S. Pennock-Meehan Co.
 THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA
 1608-1620 Ludlow St.

NEW YORK
 117 W. 28th St.

WASHINGTON
 1212 New York Ave.

Flower Market Reports

BOSTON The most noticeable feature in the market this week is the heavy influx of asters, many of which are of superior quality, but on account of their abundance do not realize the price they are entitled to. There are lots of the inferior type, too, but these are almost unsalable. In roses, the Beauty holds its own as to quality, supply and demand, all of which are normal and fairly well balanced. Of the other roses Taft is the popular leader, its fine keeping and shipping qualities making friends for it every day. Carnations are at the lowest ebb and the few remnants of the old crop that are coming in are not wanted. Sweet peas abound and are moved with difficulty, the quality averaging below the standard for this date. Lilies are not plentiful, but there are enough. Lily of the valley is very good and moving rather slowly. Gladioli are not abundant as yet. Shakespeare and Lafayette have the preference and bring excellent prices.

BUFFALO Mid-summer conditions exist. The growers are busy replanting carnations and what few are left in the houses are gradually becoming the size of the outdoor pinks, white and pink Enchantress holding out the best for the late season. A few Killarney and Richmond roses off the new plants are gradually coming on, though mildew holds a grip. More summer roses could have been used the past week, though Japan lilies, asters, peas and other stock helped out considerably. Beauties are very small, and some are seen the size of Bonsilene. Asters have improved considerably, though choice stock is not yet too plentiful. There is the regular ordinary yellow-centered short stem stuff which always accumulates and is waiting for the cemetery florist to take them away at his price. The demand has been growing on white roses and hardly enough could be had at times. It seems as if the wedding bells are ringing somewhat early as lily of the

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI August 6	DETROIT August 6	BUFFALO August 6	PITTSBURGH August 6
ROSES				
Am. Beauty, Fancy and Special....	15.00 to 25.00	20.00 to 25.00	15.00 to 20.00	20.00 to 25.00
" " Extra.....	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00	12.00 to 15.00
" " No. 1.....	6.00 to 10.00	8.00 to 12.00	6.00 to 10.00	6.00 to 8.00
" " Lower Grades.....	3.00 to 6.00	4.00 to 7.00	2.00 to 4.00	2.00 to 4.00
Killarney, Richmond.....	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00
My Maryland, Kaiserin, Carnot....	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00
Bride, Maid.....	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00
Taft, Hillington, Ward.....	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00
CARNATIONS	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
MISCELLANEOUS				
Cattleyas.....	50.00 to 100.00	50.00 to 100.00	50.00 to 100.00	50.00 to 100.00
Lilies, Longiflorum.....	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00
" " Speciosum.....	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Gladioli.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Asters.....	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Daisies.....	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Sweet Peas.....	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Gardenias.....	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Adiantum.....	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Smilax.....	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Asparagus Plumosus, Strings (100).....	40.00 to 50.00	40.00 to 50.00	40.00 to 50.00	40.00 to 50.00
" " & Spreng (100).....	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00

valley also was in demand. Gladioli from eastern points in varieties of America, May, Augusta and Brenchleyensis are good, though of short stems. The home-grown are not yet to be seen in quantity.

The supply of stock is decidedly shortening up.

CHICAGO Cool weather has continued and some days would be considered as decidedly cold, having a tendency to hold back the flowers. The scarcity is felt most in roses and good blooms are quickly disposed of, the later calls being hard to provide for. Short roses are more easily obtained but are sold out clean each day. Some field carnations are coming in and some excellent light pink ones were seen at Peter Reinberg's. Asters are more abundant than anything else, as is usually the case in August, and prices range according to size, poor ones bringing but poor returns for growing and marketing, but in general asters are very fair in quality this season. New Beauties are daily lengthening in stem and soon will compare well with the old ones in that respect. Lilies are shortening in supply and prices advanced materially the past week. Very fair summer sweet peas are to be had, stems

being short, however. At Hoerber Bros. were seen some of the finest gladioli in the market. They were Mrs. Francis King and America and it is a mystery how such grand specimens can be grown at a profit when sold for the low price they bring this summer.

The sales are good **CINCINNATI** in number and the average return fair. Since August 1st the call for stock has had a steadiness and consistency that looks good. The large supply keeps down the prices. All the choice stock, however, is taken up in most lines; it is only the poorer quality that keeps the market crowded. The later asters are beginning to arrive and soon the early ones will be of yesterday. While they are here, however, they show a tendency to accumulate, necessitating their selling in lots or at low prices, if at all. This statement applies only to the ordinary. The good stock sells well. For several days past gladioli have been cleaning up fairly well at a fair price. Roses of all kinds are selling first rate. The market for giganteum lilies has picked up somewhat. Auratums are in good supply, but slow sales.

Continued on page 190

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square.

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send for
quotations. Correspondence with ship-
pers of first-class stock invited.
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1463

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162 Livingston Street, BROOKLYN, N. Y.
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Manager 3642-13 Main

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ROSES AND CARNATIONS		Last Half of Week ending Aug. 3 1912	First Half of Week beginning Aug. 5 1912
American Beauty, Fancy and Special		15.00 to 25.00	15.00 to 25.00
" " Extra		12.00 to 15.00	12.00 to 15.00
" " No. 1		4.00 to 12.00	4.00 to 12.00
" " Lower Grades .....		..... to 1.00	..... to 1.00
Richmond, Chateaux, Extra and Special		3.00 to 5.00	3.00 to 5.00
" " Lower Grades .....		.50 to 3.00	.50 to 3.00
Killarney, My Ma yland, Extra and Special		3.00 to 5.00	3.00 to 5.00
" " Lower Grades .....		.50 to 3.00	.50 to 3.00
Bride, Mild .....		.50 to 4.00	.50 to 4.00
Taft, Hillingdon, Ward .....		.50 to 6.00	.50 to 6.00
Kaiserin, Carnot		1.00 to 6.00	1.00 to 6.00
Carnations, First Quality		1.00 to 2.00	1.00 to 2.00
" " Ordinary50 to 1.00	.50 to 1.00

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THE FLOWER MARKET SECTION
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For sale by dealers

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Galax, Boxwood, Laurel
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HOUSE

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
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Boston, Mass.

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

Flower Market Reports

(Continued from page 180)

Of course we all acknowledge that this is the season of the year when making money is almost a dream with the retailer. Still when we see in the wholesale house ten men lined up to grab every decent salable flower arriving there and many a customer turned away because there is nothing to be had, things look rather peculiar. I do not think this picture is very much overdrawn and I firmly believe that a better supply of cut blooms during July and August would have a great deal to do with turning these two months from the losing side to one of at least a small gain. Your paper very aptly criticises the continued tinkering with the constitution at the S. A. F. meetings. I would like to suggest that good topics for the convention would be the discussion of "How to interest the public in our work" and "How to produce a good variety of good flowers during July and August."

F. DANZER.

A big butterfly fluttered down West 28th street and alighted on a tiny button-hole sprig of forget-me-not worn by the writer as he sauntered from one flower mart to another in search of market news. Whether this episode boded good luck or bad we shall not attempt to discuss but on just such little happenings must the denizens of the big flower center depend for sensations in these listless mid-summer days. After the few handfuls of roses, etc., and buckets of gladioli and a bushel or two of asters have been unloaded there remains little to do but lounge around and wait for something to happen or discuss the probabilities of a good-sized crowd for the convention special train. Ten days ago there was quite a little activity in trade which seemed to augur well for an active summer season, but it didn't live long. Roses are all diminutive little things at present and there is an unprecedented proportion of yellow varieties among them. Evidently the growers have been investing liberally in the novelties and it will be interesting to watch the effect on the flower market next winter. Lily of the valley is excellent and there are plenty of lilies. Asters are inferior generally as are also gladioli. The stores take practically nothing on chance and buy only to fill orders when such chance to come in.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Aug. 3 1912		First Half of Week beginning Aug. 5 1912	
Cattleyas	40.00	to 60.00	40.00	to 75.00
Dendrobium formosum	20.00	to 25.00	20.00	to 25.00
Lilies, Longiflorum	5.00	to 6.00	4.00	to 6.00
" Speciosum	1.00	to 2.00	1.50	to 2.00
Lily of the Valley	1.00	to 3.00	1.00	to 3.00
Asters	4.0	to 1.00	4.0	to 1.00
Gladioli	1.00	to 3.00	1.00	to 3.00
Daisies	50	to 1.00	50	to 1.00
Sweet Peas (per 100 bunches)	1.00	to 3.00	1.00	to 3.00
Gardenias	1.00	to 2.00	15.00	to 25.00
Adiantum	5.0	to .75	5.0	to .75
Smilax	1.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings	10.00	to 2.00	10.00	to 40.00
" " & Sprn (100 bunches)	10.00	to 15.00	10.00	to 15.00

Good flowers of all kinds are hard to get. The first early asters are about done and the mid-season only just commencing. As the aster is the big feature at this juncture, we are in a transition period where even the standby is "off," for a week. We shall no doubt have a different tale to tell next week. The other great summer standby—the gladiolus—good demand for long-stemmed, superior stock; but nothing doing in the short, northern grown, poor spikes—with which the market is flooded from the bulb-growing fields outside of the regular sources of supply. The men who grow primarily for the bulb income cannot cut the whole plant without ruining the bulb, and their "butt-in" on the market at nothing a thousand merely demoralizes the market, and we believe does no good to their business in the long run. Dreer realized this years ago. They quit cutting from their twenty acres of peony blooms because they realized that all they got hardly paid for the labor of cutting, packing and shipping, and that the slump in value of the flowers in public estimation had a boomerang effect when the roots were offered for sale. That thought was true and applied not only to the retail but to the wholesale trade. So they quit it, and we think it is about time for the gladiolus men, who think they are so wise, to take notice. It sounds good to say we can get revenue from the flowers and the bulbs too, but it can't be done. You either ruin your flower or ruin your bulb. You cannot have both up to tip-top standard. Orchids are not plentiful and seem rather high-priced. There are some good white spray sorts, like Phalaenopsis amabilis to be had. The market has been fairly good all along the line for the season; but not quite so brisk as the week previous.

ST. LOUIS Looking over the flower markets the last week we find plenty of stock but few buyers. The retail trade

put in a dull week so of course the wholesalers had to suffer for the want of demand. It surely was dull. The market has anything the trade wants in asters, gladioli, roses, peas and a lot of outdoor truck. Prices remain stationary in small lots but in large lots of a thousand or over prices cannot be quoted.

Washington, D. C.—Business conditions are about the same as they have been during the past few weeks. Some mid-summer social affairs are calling for decorations, but these are not very elaborate. The condition of stock and prices are just as previously reported.

New York, N. Y.—Wm. P. Ford, wholesale florist, has offered his store at 45 W. 28th street for rent and will move shortly to one of the new stores in the block west of Sixth avenue.

THE Florists' Supply
House of America

H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.

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EXCHANGE, Inc.
WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH.

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Bulbs of all descriptions. Write for prices. C. Keur & Sons, Hillegom, Holland.
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Cape Jasmine, fine cuttings, 8 inch and over, ready for rooting; 100 \$1.00, 1000 \$8.00, prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

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Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

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20,000 strong, healthy, field-grown carnation plants; they average now 8 to 15 shoots and some as high as 20. Cash with order. Victory, O. P. Bassett, Carnegie, Harlowarden, Roosevelt, Lawson-Enchantress, White Enchantress, R. P. Enchantress, White Perfection, Lady Bountiful, Lawson, \$6.50 per 100. Washington, Dorothy Gordon, \$7.50 per 100. E. Friederichsen's Sons, Wilton Jct., Iowa.

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CHRYSANTHEMUMS (Rooted Cuttings). 500 Smith's Advance, \$2.50 per 100. 500 each Touset, Ivory, Donitella, Yellow Jones, 2500 Robt. Halliday, Mrs. Hurley and Baby, 8000 J. Rosette, \$15.00 per 1000 Cash with order.

William Swayne, Kennett Square, Pa.

Chrysanthemums, rooted cuttings: 250 Glory Pacific, 250 Shaw, \$1.75 per 100. 100 Appleton, 150 Halliday, 600 Yellow Bonnaffon, \$2.00 per 100. Cash. Chas. H. Green, Spencer, Mass.

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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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- English Ivy, strong, at \$8.00 and \$12.00 per 100. C. Winterich, Defiance, O.

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LILIAM FORMOSA AND GIGANTEUM.

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MARGUERITES

Unrooted Alexandra marguerites, \$1.00 per 100. Winter flowering yellow marguerites, the right kind: unrooted, \$2.00 per 100; rooted, \$4.00 per 100. Cash. A. E. Monroe, Wellesley Farms, Mass.

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P. Hamilton Goodsell, New York, N. Y.
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Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS.
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ONION SETS

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Importer, Exporter, Growers, Hybridists.
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John De Buck, New York, N. Y.
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Orchid Plants, fresh importations, best commercial varieties, reasonable price. John De Buck, care of Maltus & Ware, 14 Stone St., New York City.

ORCHID GROWERS' MANUAL.

By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and Orchid Culture ever published. Price \$10.00.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINTS, GLAZING, PUTTY, GREEN-HOUSE WHITE

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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

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PEONIES.

Peonies. The world's greatest collection, 1200 sorts. Send for list. C. Betscher Canal Dover, O.

Peonies—The best French collections. Catalogues free. Dessert, Peony Specialist, Chenonceaux, France.

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Poinsettias, 2¼-in., none better, \$5.00 per 100, 250 for \$10.00. Cash with order. W. Stertzing, 7280 Manchester Rd., St. Louis, Mo.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp. \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

POULTRY AND FARM REVIEW

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PRIMULAS

Primula Chinensis, strong bushy plants, ready for 3 in.; selected French strains, 11 separate colors or mixed, 2 in., 2c. Primula obconica, Ronsdorfer strains, grandiflora and fringed, 15 separate colors or mixed, 2 in., 2c. Gigantea, 5 separate colors or mixed, 2 in., 2½c. C. K. Wisner, 2476 Cherry Street, Toledo, O.

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Asparagus Plumosus Nanus seeds now ready, per 1000, \$2.25; lots up to 5000, \$2.00 per 1000. Peter Mack, Box 172, Orlando, Fla.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. **Lager & Harrell, Summit, N. J.**

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Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. **Julius Roehrs Co., Rutherford, N. J.**

STRAWBERRY PLANTS

P. H. Goodsell, New York, N. Y.
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Full Bearing Strawberry Plants, best varieties. Catalogue free. **Basil Perry, Cool Spring, Delaware.**

VEGETABLE PLANTS, ETC.**CELERY PLANTS.**

100,000 strong, transplanted, in five best varieties, \$3.00 per 1000. Cash with order. **BRYN MAWR FLORIST, YONKERS, N. Y.**
Tel. 1083.

Celery, fine, thin grown out door plants, Giant Pascal and Columbia, \$1.25 per 1000. Cash. **John Kehl, R. D. 3, Canton, O.**

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Wirework. Write for our catalogue. **Holton & Hunkel Co., Milwaukee, Wis.**

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August 17

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Lowest Price
Best Company
Greatest Results

Nuff Sed

Send Ad. Copy to arrive
August 13, and
MAKE MONEY EASY.

In writing to Advertisers kindly mention Horticulture

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The Annual Meeting of the
Florists' Hall Association of America
will be held at the
COLISEUM, CHICAGO, ILL.
At 9 A. M., August 22, 1912
JOHN G. ESLE, Sec'y

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FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Farshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

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WANTED—Position in charge of place, private or commercial. Experienced and competent in indoor or outdoor departments. THOMAS PEGLER, 227 Norfolk street, Wollaston, Mass.


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Especially prepared for the production of lustrous CHRYSANTHEMUM BLOOMS.

THE ADVANTAGES of Fertylene over other manure, are: It is clean; has no offensive odor; is soluble and thus easily prepared; is immediate and permanent in its effect; so highly concentrated that it is the cheapest; saves time and labor and gives accurate results. 1 oz. is sufficient for ten gallons.

Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. Sample packets of one-half pound mailed for 30c. Sample packets of one pound mailed for 50c.

ELMER D. SMITH & CO.
ADRIAN, MICH.

KILMDEAD
The best of all
the tobacco
dusts for

Dusting or
fumigating

50 lbs. \$1.00
100 lbs. \$1.75
200 lbs. \$3.00
500 lbs. \$7.00
1000 lbs. \$12.00
2000 lbs. \$22.00

Stumpp & Walter Co. 50 Barclay St., New York

Cocoanut Fibre Soil

Is being used more and more in the greenhouse and for covering lawns from September to frost. Keep it in stock, it is a seller.

20th CENTURY PLANT FOOD CO.
27 & 29 OCEAN ST., BEVERLY, MASS.

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SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

FOR RENT, low, with privilege of purchase, seven greenhouses in fine condition, with good piece of land planted with carnations, etc. All in order for immediate occupancy. A great opportunity. Charles Millang, 55-57 West 26th St., New York.

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IS THE

STRONGEST,

BEST PACKED,

EASIEST APPLIED.

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the

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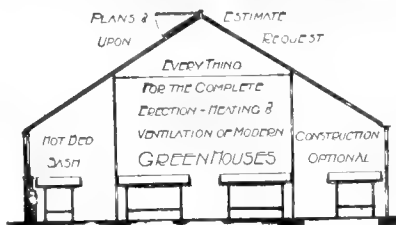
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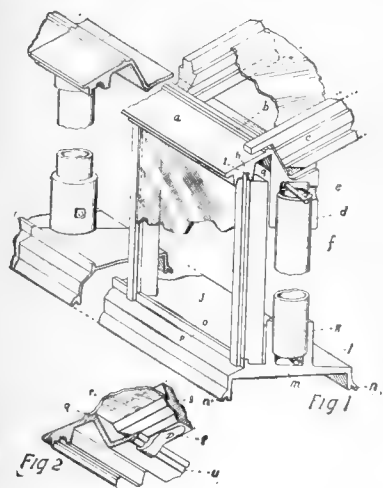
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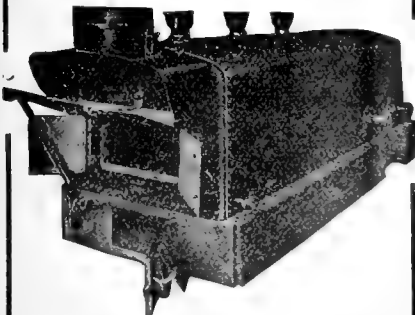


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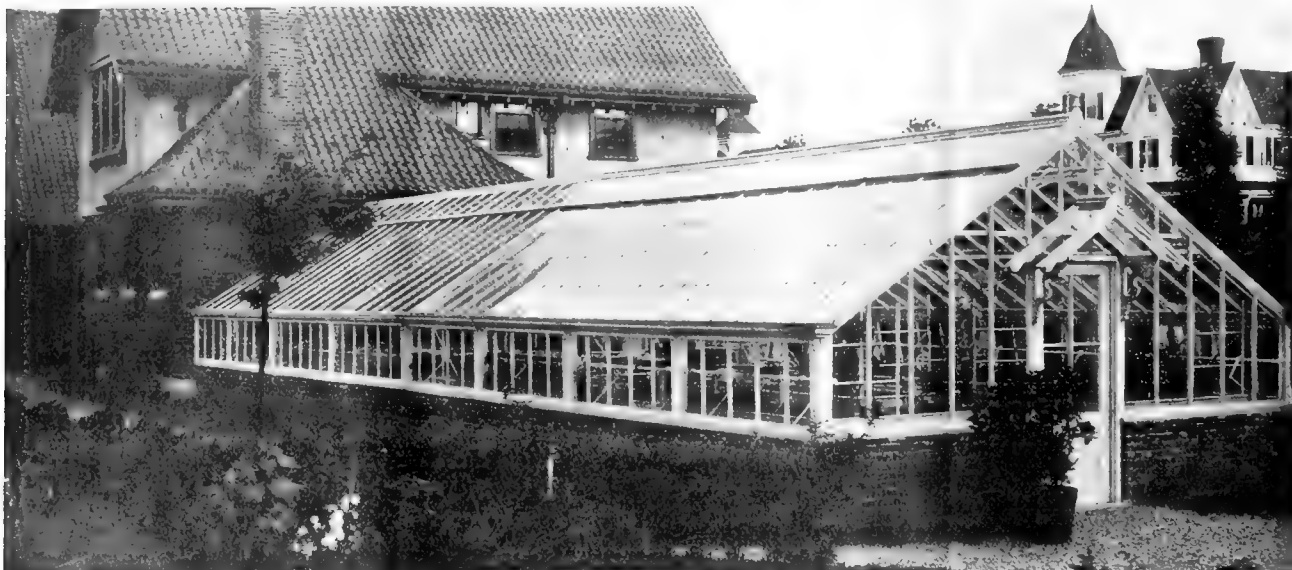
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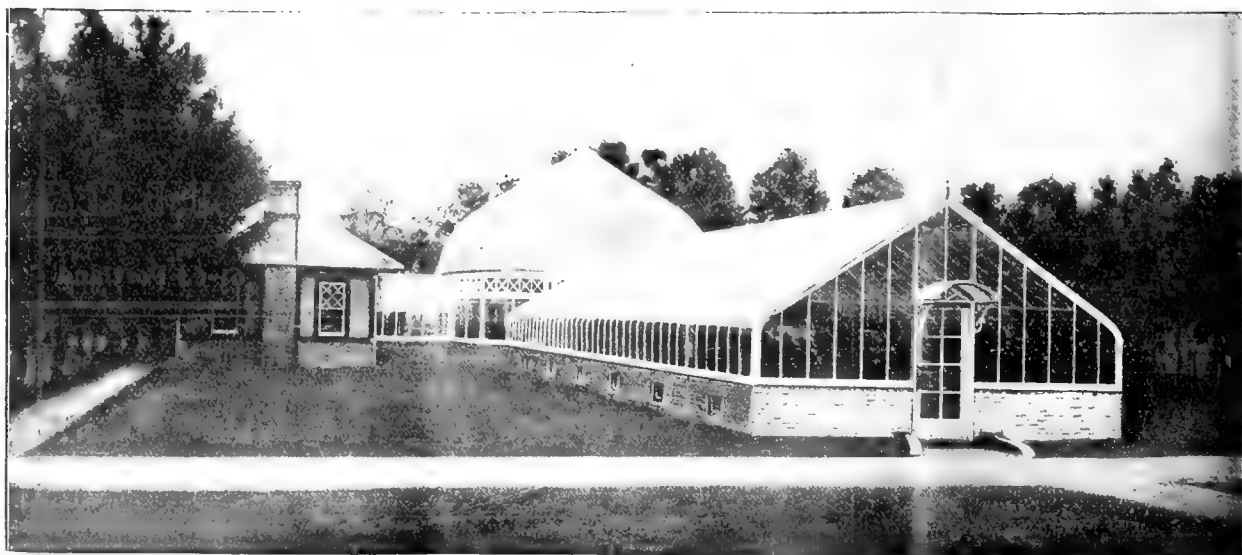
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HORTICULTURE

Vol. XVI

AUGUST 17, 1912

No. 7



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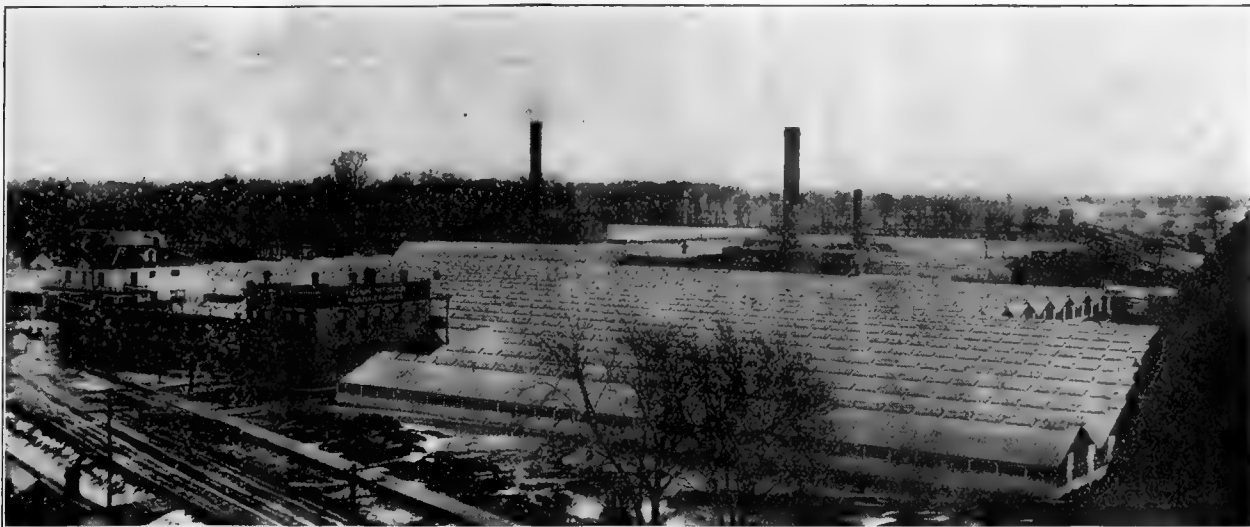
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4911 W. Quincy Street, Chicago, Ill.

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Care of Palms

Palms of an advanced age and size that are excessively root-bound should now have a repotting. The weather being warm you can overhaul and repot them outside at your pleasure. While palms do well in almost any soil, they always do better when given a rather stiff yellow loam as the basis of their compost. When repotting large palms make your compost rich, say to three of chopped sod use one of well decayed manure and about a five-inch pot of bone meal to every barrow load of soil. Give this compost a thorough turning over so it will be well mixed. Keep your palms clean by examining them every ten days and when needed giving a thorough cleaning to prevent insects from gaining a foothold. To keep palms from becoming too soft and flabby give abundance of ventilation on all possible occasions. As the sun begins to lose power don't keep your glass too densely shaded, as this always gives an overplus of stagnant humidity.

Chrysanthemums

It has been proven by experience that buds taken about or after August 20th will always produce a satisfactory flower. Every good grower should use a notebook when handling any new varieties, in which he can make a record of details that will be of value for another season. For the best exhibition varieties and a great many of the best commercial kinds the taking of the bud should not be earlier than the above date. Keep your plants in proper shape by judicious tying as they may need it. It is very important now to keep your plants clean and free from the aphids. There is nothing better than a weekly spraying of "Aphine." Used according to directions it will keep your stock entirely free of these insects. Give plenty of ventilation both day and night so that your atmosphere will not become too close or humid. Where you want short-jointed and sturdy growth give abundant ventilation. Keep the beds clean by frequent stirrings of the surface and extra attention to watering.

Crotons

Where you have a nice batch of these highly ornamental subjects be very careful about ventilation from this out. It is always better to reduce the air gradually in the afternoon and shut the house up early enough to bottle up a good amount of solar heat. This will also help atmospheric conditions by giving that degree of humidity to the atmosphere which is essential to this class of plants in order to induce a strong quick growth. To grow crotons at their best they should never be allowed to go below 70 degrees at night as they are very tropical in their ways. They should always be given the fullest light, only enough shade being allowed so that

the foliage will not become scorched, as there is nothing that will so bring out the rich markings of the leaves as plenty of light. Keep them well syringed twice a day so that thrips and red spider will not do irreparable damage. Where crotons are filling their pots well with roots they will enjoy weak doses of liquid manure once a week.

Preparing Compost for Winter

The growing of cut flowers and plants under glass for the market is one of the most difficult of all horticultural operations. All good growers will tell you that more failures can be ascribed to the using of an uncongenial soil than to any other single cause. So it behooves every grower to prepare a good amount of compost for winter use. Sod that was dug during the late fall of last year will make excellent soil to use as a foundation. Make your compost rich in available plant food by at least one-third of well-rotted manure which has not been allowed to leach. This can be built up in a square pile three or four feet high, after it has been thoroughly mixed by shoveling the mixture four or five times over. This will put it in a good mechanical condition so that all the mineral elements will be evenly mixed. Before the heavy rains come in the fall it can be put under cover for readiness.

Primulas

Give all your plants good care from this out. Watering and syringing should be carefully attended to every day so that they will not receive any severe check from either too much water or the want of it. These plants like a daily syringing overhead and always keep the material on which the pots stand in a moist state, as a cool bottom is a prime requisite with primulas. Any time within the next two weeks those that are intended for early winter blooming should have their last potting. Use a moderately firm sod that is fairly well decayed, three parts, well-rotted cow manure two parts, leaf mold one part, and enough of clean sand to keep the whole porous. Use five and six-inch pots according to the vigor of the plants. Let your primulas remain outside in a frame until away into October, as the conditions will suit them here better than in a house earlier. Keep them spaced often so a better circulation of air will reach them.

Paper White Narcissi

Get a batch of these narcissi in as early as you can so they will have plenty of time to form good roots before they are wanted for forcing. When they are boxed give them a cool bottom in some cold frame, and they can be shaded until top growth begins to show, when they should be exposed to sun and light. It usually takes from 6 to 7 weeks to make sufficient roots to stand any kind of forcing. Maintain a cool, moist state at the roots by giving them water whenever needed, as this is a very essential point in their culture.

Mr. Farrell's next notes will be on the following: Cyclamen for Next Year; Begonia Lorraine; Lilium candidum; Orchids: Propagation; Potting Evergreens

FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Fruit Rooms

The advantages of having a proper room in which to store fruit for winter use are legion. This is not only applicable to greenhouse-grown fruit, but all fruit grown for keeping purposes. Earlier in the season the necessity of such a place will have presented itself when there has been a crop in and a few would have been very acceptable for next week. True, there is the ice box, but our experience has taught us that a thing can be kept on the ice long enough to lose all its flavor. A second detriment to the ice box for extended keeping is that after removing the fruit and the sweat has passed away, it is more easily bruised than at any other time. This sweating does nothing any good and is the direct reverse condition to what we seek when keeping fruit, yet all fruit will sweat after removing it from an ice box to a warmer room. An ideal fruit room will be easily kept at an even (cool) temperature, the air will be buoyant and fresh, regulated by ventilators placed in the proper place, and also be dry at the same time. This dryness is sometimes carried to excess and causes the fruit to shrivel. To define the exact conditions one might be excused for using the negative term of "not damp." The conditions inside the room are the things to be considered. Of the outside appearance and construction I will say nothing further than that the walls should be thick enough or contain a chamber to insulate against any quick changes in the outside temperature. The roof should be made of the coolest material. Water towers in some instances have been built over them. In Scotland a "thac o' bonny heather" is used. Whatever the building may be, if it is not frost proof a small heating pipe should pass around the base. Hot water is better than steam as it is cooler and more even. The interior offers a great variety of ways for equipment from glazed-brick walls, enameled fittings and glass shelves, down to the crudest of shelving, etc. Let it be what it will, keep the essential points in mind. A good lay-out of such a room would be to erect shelves not more than 3 ft. 6 in. wide around the sides having a 2 ft. 6 in. elevation. This will offer good facilities for looking over the fruits and detecting any going wrong. Such shelves would store apples and pears well. Through the center could be erected a stand for holding bottles into which at a later date grapes will be placed (of this more in due season). If grapes are not a prospective tenant shelves can be erected in the center as on the sides. If space permits a double width can be installed, operating half from each walk. Do not cut the walk down to a minimum or trays and baskets will always be in the way, getting upset, etc. Careful handling of all fruit is the key to good keeping. A bruise soon shows itself and the punctured flesh becomes useless and is a

menace to good fruits near it. Before building have the subsoil drained, also have a drain from the interior.

Peas for Christmas

By making a sowing now, culinary peas will be in for Christmas. Well-drained solid benches will be found more advantageous than raised ones. Peas require a good depth of soil and consideration must also be given to the amount of head-room required. The dwarfing growing varieties will generally be found the most useful. Peas require the very richest soil in which to grow to perfection during the winter season. If the bench is deep enough place a layer of half-decayed manure over the drainage instead of the non-feeding materials often used for keeping the soil in its place. Let the rows run from north to south on the bench to give all an equal amount of sun. The distance apart must be governed by the height of the variety grown. Throughout the growing period it must be borne in mind that a pea likes a good supply of water and requires to be kept free from all insect pests. Later on when nearing maturity liquid feed can be given to them.

A Review

Now that we are in the midst of the "quiet season" in this department there will be time enough to look around, look ahead and look back. The first implies the present, the second our future and the "has been" we may be able to gain valuable assistance from. This time of the year is the "betwixt and between" time of our two seasons—the growing and the winter season. Therefore there is no time like the present to weigh things up. The question of pots is one which stands out prominently. There is nothing so annoying as to find that you are a few short to finish a job. With handling trees in pots we use sizes which are seldom bought and used by the thousand; this makes it all the more important that we should "do it now." Look over what is on hand, ascertain how many are cracked, discard these latter as useless for growing fruit trees in. Have all sound ones washed up and stored handy for using. Then there are the trees as they are growing now; a percentage of these will be disabled and by looking them over you can form an idea of how many are good and how many of each size will be needed to give the trees the necessary shift. This done now will help you out when the leaves are falling and potting, root-pruning and no end of preparatory work is on hand heralding winter. Enough soil should be laid by to use on the pot fruit trees. At the time of potting this should be in a semi-decomposed condition. This not only helps it to work good, but the roots will find ready nourishment as soon as they commence activities. After the severe handling some of them are subjected to this will be relished.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Mulching

Houses that have been planted earlier in the season will now be ready to receive their first mulch or "top dressing." With the early mulch we would not recommend any bone or tankage, using only some well-decayed cow manure. This should be used rather sparingly, just enough to slightly cover the surface of the benches. In mulching early the main object is to afford protection to the young, tender roots that push out into the soil and get scorched if the sun is allowed to bear its hot rays on the benches. Mulching earlier also saves a lot of watering, which usually takes up much valuable time. To do this the soil must be in a perfect condition and should never remain soggy after watering. Soil properly compounded will remain wet, at the same time not soggy, for the surplus water will quickly drain through.

Charcoal and Leaf Mold

Where no other soil can be had and the grower has to use soil that is not open enough to insure good drainage, a small amount of charcoal may be added to the soil. This will help keep it nice and sweet and afford better drainage. Leaf mold is also of a great help in such cases. We have used as much as $\frac{3}{4}$ of an inch of leaf mold over four inches of soil, mixing all of it in the bench. This, of course, would be out of question on more than one place. We did it only to make sure that we were getting exactly the same amount of leaf mold and fertilizer into all the benches. Where this cannot be done all that is to be put into the soil should be mixed in when the soil is being cut down and chopped prior to refilling the houses. I think growers should heap some leaves somewhere so as to have a little leaf mold handy when they have occasion to use it. It can be used very nicely when potting young plants during the propagating season.

Those Dark Corners

No doubt there are many of these, especially on some of the older places. Roses want just as much light as they can get. Therefore do not plant roses in these dark corners, but plant asparagus or some such suitable green which will do exceedingly well compared to what the roses would do. The above may also be applied to some houses which are shaded far too much to grow roses successfully. Plant houses like these in greens. So far as we know the market has always been good if you have green of any quantity at all, and there is no excuse whatever for having poor stuff, especially if you have facilities for applying liquid manure.

Soil for Next Season's Young Stock

As in any other business, you must always be looking and working ahead, if you expect anything like results. Turn over that heap of soil you are going to use to pot cuttings in next spring. A little tankage or bone may be added to this, which will work into the soil gradually, and by the time the plants get to it, will be easily available and there will be no danger whatever of damaging the young plants.

Ventilation

Do not make it a practice to reduce the air on the house unless it is necessary. On many places not large enough to employ a night man, the growers will take off considerable air so as to be safe in case of a thunderstorm. With us we would much rather see a house get wet than see it suffer because of lack of air. Give the plants all the air they can safely have. Keep them used to it, and then they will not be getting a dose of mildew every time a little draught goes through the house.

The Side Ventilators

Unless you are sure that you can handle side air we would advise keeping all side ventilators closed from now on, especially at night when the air is cool and damp. See that all shading which may have been applied to glass when the houses were being filled is removed now, for all roses need as much light as they can possibly get, as we have stated time and time again.

An Inquiry

In reply to letter from Mr. B. G. I can only say that even with a powerful microscope we failed to discover any insects in his soil. The soil itself seems to be of good quality and closely resembles our own. From all appearances it contains a sufficient quantity of lime and should grow good roses. We have never had any experience with insects eating the rose plants off at the roots, and we think the insects mentioned are not altogether responsible for the plants' dying off. If such insects are present in large numbers, no doubt their gnawing at the roots of plants would start fungous diseases of the roots, killing these, and of course no plant can live without roots. If Mr. G. will try to catch some of said insects and mail same to us in a small glass tube or something similar, we shall try to tell him more about them. He says Scalecide has been used successfully other years. We would suggest that he try it again, as it contains fungicide, which would check fungus should the plants be affected with such. We have never used Scalecide inside under glass, using mostly nicotine preparations. One year we lost a good many plants by fungus destroying the roots, but since we use plenty of copper sulphate and Fungine on the benches before planting we have but little trouble. Readers will remember when we called attention to this important fact, and advised growers to clean their benches thoroughly with fungicide and destroy all insects with a heavy dose of hydrocyanic acid gas before replanting.

Our benches sometimes contain all kinds of insects and bugs, the chief ones being thrips, sow bugs and centipedes, but as long as they stay on the bench and do not bother the plants we seldom try to destroy them all. You could never rid your benches of all insects by applying one dose of insecticide. Spray regularly every two days until nearly all insects are destroyed and then regularly every week to keep them out. Do not make the spray so strong as to destroy any of the bottom foliage on the plants.

HORTICULTURE

VOL. XVI

AUGUST 17, 1912

NO 7

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
11 Hamilton Place, Boston, Mass.

Telephone, Oxford 282.
 WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

Per inch, 30 inches to page..... \$1.00

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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Friends of the people

The park superintendents are in Boston this week. They come from across the continent and from all parts of this country and Canada—from places in the remote regions which we hardly realized had reached that composure which would favor serious consideration of such a subject as public park reservations. Evolution works rapidly in these hustling days and the pioneer in primitive civilization is close pressed

by the pioneer in refinement and art. None are doing a more beneficent work than the park people and none have a more elevating influence upon the people who are most in need of just such education. They are the beacon lights of horticulture.

Production and distribution

A contemporary tells of an ambulance load of fine asters being donated by the Boston Flower Exchange to the hospitals last week—not entirely from benevolent motives, but because of insufficient outlet through business channels. While this is a most commendable action from one standpoint yet the situation can hardly be regarded with extreme pleasure by those who must earn their living by the growing and sale of these flowers. It would seem that the science of distribution is still almost a closed book so far as the flower grower is concerned. As we have said repeatedly, this is a subject that the grower must finally take up seriously. We are glad to learn that it will be given a hearing at Chicago.

A transformation

Our cover illustration this week is designed to portray the marvellous progress of western civilization within the bounds of a human lifetime—as exemplified in the history of our Convention City of 1912. From the lone garrison and the wild Indian's tomahawk to the majestic buildings that line the thoroughfares and the surging multitudes that throng the streets of this great hive of industry—all in the space of 75 years—is an almost inconceivable transformation. When the S. A. F. visitors enter the gates of the great city, they will find the right hand of fellowship extended by the representatives of a fraternity of florists whose growth and progress has been, in its way, almost as marvellous as the evolution of their city. No Indian will be there to dispute their coming although, perhaps, there may still be a few tomahawks secreted in convenient corners. HORTICULTURE extends congratulations to Chicago and her guests and would express the hope that the convention of 1912 may be the biggest and best on record.

Brighten the streets

Visitors from abroad frequently comment on the bare and uninviting aspect of our American city streets due to the general absence of living green. As a rule our busy thoroughfares are utterly destitute of trees, grass or plants of any sort either in the street or on the buildings. This is not as it should be and any disposition, public or private, to remedy it, should be enthusiastically encouraged by everyone engaged in any horticultural pursuit. There are signs of improvement here and there and in no circumstances is the influence of a good example more potent, for to see is to be convinced. Boston's newest hotel, the Copley-Plaza, has fitted all the windows of the first story with especially designed plant boxes, of concrete, filled with buxus and vines and we hope to see many imitators. Minneapolis, we understand has been successfully experimenting with flower boxes or "hanging gardens" on ornamental posts at street intersections and even Berkeley, California, which has a garden climate all the year round, proposes to install "aerial gardens" on the trolley poles at a height of twelve to fifteen feet above the ground. We noticed a similar attempt on Market street, Philadelphia, this summer, the plant receptacles being about half-way up on the iron posts supporting electric wires but these were plainly suffering from insufficient watering and some automatic device for supplying water would seem to be an essential to full success in such plantings.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

Program of the Twenty-eighth Annual Meeting and Exhibition to be held in the Coliseum, Chicago, Ill., August 20th, 21st, 22nd and 23rd, 1912

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Botanist—Prof. A. C. Beal, Ithaca, N. Y.

Pathologist—Prof. H. H. Whetzel, Ithaca, N. Y.

Entomologist—Prof. Thos. B. Symons, College Park, Md.

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Sections A, B, F—Ad. Gude, Washington, D. C.; A. L. Vaughan, Chicago, Ill.

Sections E, G—S. S. Pennock, Philadelphia, Pa.; Charles E. Critchell, Cincinnati, O.; Ernst Wienhoeber, Chicago, Ill.

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Committee on National Flower Show—Charles H. Totty, Madison, N. J.;



R. VINCENT, JR., PRESIDENT

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May, 1889; *J. M. Jordan, 1890; M. H. Norton, 1891; James Dean, 1892; *Wm. R. Smith, 1893; *J. T. Anthony, 1894; Edwin Lonsdale, 1895; *William Scott, 1896; Adam Graham, 1897; W. F. Gude, 1898; W. N. Rudd, 1899; *E. M. Wood, 1900; Patrick O'Mara, 1901; John Burton, 1902-1903; Philip Breitmeyer, 1904; J. C. Vaughan, 1905; Wm. F. Kasting, 1906; Wm. J. Stewart, 1907; F. H. Traendly, 1908; J. A. Valentine, 1909; F. R. Pierson, 1910; George Asmus, 1911.

*Deceased.

TUESDAY, AUGUST 20th.

Opening Session, 10 A. M.

Address of Welcome. President Vincent's Address.

Amendment to Constitution and By-Laws to be acted upon: To amend Article V, Section 1:

"The location of the next following meeting to be selected by ballot at the morning session of the second day of each annual meeting."

by striking out the words "morning" and "second" and inserting in place thereof, respectively, the words "evening" and "first."

Reports of Secretary, Treasurer and Committees.

Afternoon Session, 3 P. M.

Report on National Flower Show, by Charles H. Totty, chairman National Flower Show Committee. Paper by Mr. Wm. Gourlay, assistant to the



WM. F. KASTING,
Treasurer.



AUGUST POEHLMANN,
Vice-President.



JOHN YOUNG,
Secretary and Superintendent of Exhibition.



HARRY A. BUNYARD,
Executive Board.



GEORGE ASMUS,
Executive Board—Ex Officio



E. ALLAN PEIRCE,
Executive Board.

general manager of the American Express Company. Discussion. Consideration of Invitations for Next Place of Meeting (if the amendment to By-Laws is adopted at the morning session).

Evening Session.

Reception to President Vincent, at the Auditorium Hotel. Music, Dancing and Refreshments. Strictly informal.

Amendments to Constitution and By-Laws to be acted upon; To amend Article II, Section 2 (a).

"Sec. 2. Elections and Appointments:—

"(a) The president, first vice-president, secretary and treasurer shall be elected by ballot at the annual meeting of the Society, and their term of office shall begin with the first day of January next succeeding the election and shall continue for one year, or until their successors are duly elected and qualified."

by striking out the word "secretary;" and by adding: "The secretary shall be elected by the directors at the annual mid-Lent meeting and shall serve for one year. Seven (7) affirm-



CHARLES H. TOTTY,
Executive Board and Chairman of National Flower Show

ative votes shall be necessary to elect, and nine (9) votes to remove him from office before the expiration of his term."

To amend Article III.

"GOVERNMENT, EXECUTIVE BOARD.

"Between the sessions of the Society its government shall be vested in an executive board, consisting of the president, junior ex-president, first vice-president, secretary, treasurer and six directors. A regular meeting of the board shall be held each year about mid-Lent, at the call of the secretary, upon such date as the president may direct, etc."

by striking out the word "secretary" in the third line, after "vice-president" and before "treasurer."

To amend Article V, Section 5.

"Sec. 5. Exhibitions. There shall be held, whenever practicable, in connection with each annual convention, an exhibition of materials and manufactures used in and products of horticulture. It shall be in charge of a superintendent, who shall be appointed by the executive board at its preliminary annual meeting, and shall be governed by such rules and regulations as the executive board shall adopt. Judges



JOHN A. EVANS,
Executive Board



W. N. RUDD,
Executive Board.



ROBERT CRAND,
Executive Board

shall be appointed by the president and secretary at least one month before the exhibition."

by striking out the words "and secretary."

Resolution:—Be it Resolved, That the records of the proceedings of this Society for the year 1909 in convention at Cincinnati, Ohio, be corrected by adding the following, as adopted at the time:

"All members after paying dues continuously for twenty-five (25) years shall be known as 'Pioneer Members.' They shall be entitled to all the benefits and privileges of other members; shall be exempt from the payment of dues for the balance of their lives and their names shall appear in a special list under an appropriate heading in the annual volume of the proceedings of the Society."

Amendment:—To amend Article IV, Section 2, covering fees and assessments, by adding the following:

"Annual members after paying dues continuously for twenty-five years shall be known as 'Pioneer Members,' and shall be exempt from all future assessments."

Ballot on place of meeting if first amendment carries.

WEDNESDAY, AUGUST 21st.

Morning Session.

Paper by Mr. L. W. C. Tuthill on "Advertising. Some Wrongs to Make Right." Discussion. Nomination of Officers for 1913. Annual Meeting of the Ladies' Society of American Florists at 10.30 A. M.

Afternoon.

No business Sessions—This afternoon remains open, to permit of those interested visiting the growers' and other establishments in and around Chicago.

Evening.

Lecture, Illustrated in Colors, on "Floral Designing," by Mr. Fred. C. W. Brown of Buffalo, N. Y. Discussion.

THURSDAY, AUGUST 22nd.

Meetings of the following Societies: 9 A. M.—Florists' Hall Association of America. 9.15 A. M.—American Rose Society. 9.30 A. M.—American Carnation Society. 10 A. M.—Chrysanthemum Society of America—Illinois State Florists' Association. 10.15 A. M.—American Sweet Pea Society. 10.30 A. M.—American Gladiolus Society. 10 A. M. to 12 M.—Election of Officers.

Afternoon.

The Annual Bowling Tournament will take place at Bensinger's Bowling Alleys, 29 W. Randolph St., starting at 2 o'clock.

Evening, 8.30 P. M.

Reception and Dance given by the Ladies' Society of American Florists.

FRIDAY, AUGUST 23rd.

The Chicago Trade Committees have arranged for a full day's entertainment at Ravinia Park. Most noted and exclusive resort near Chicago.

Members on arrival at Chicago should register with Secretary, register with Chicago Committee, get all local information, get the Souvenir Album. A Bureau of Information, continually maintained, will be found adjoining Secretary Young's office in the Coliseum Building.

OFFICIAL PROGRAM OF SPORTS.

RULES—All contestants must be members of S. A. F. & O. H. in order

to take part in the sporting events and also a member of the Chicago Florists' Club to take part on the Chicago Florists' Club teams that represent that body.

Third Day.

Individual ladies' bowling at Bensinger's, 29 W. Randolph St., 4th floor, Thursday, Aug. 22nd, 10 A. M. sharp.

It is understood that ladies must be members of Ladies' S. A. F. & O. H. to draw prizes in this tournament.

1st prize, greatest number of pins in two games, silver loving cup, Detroit Flower Pot Co.; 2nd, coral chain, H. A. Dreer, Philadelphia; 3d, silver cup, Moninger Co., Chicago; 4th, special prize, cut glass wine pitcher, C. W. McKellar; 5th, silver buckle, American Florist; 6th, silver hand bag, Percy Jones Co., Chicago; 7th, Eastman kodak, Sprinkle Proof, Sam Seligman; 8th, basket, M. Rice, Philadelphia; 9th, silver buckle, American Florist; 10th, basket, Raedlein Basket Co., Chicago; 11th, high single game, silver spoon, Mrs. F. Traendly, N. Y.; 12th greatest number strikes, two games, silk umbrella, Lubliner & Trinz, Chicago; 13th, greatest number spares, two games, cut glass bowl, F. Lautenschlager, Chicago; 14th, greatest number railroads, two games, pair gold cuff buttons, B. Wienhoeber Co., Chicago; 15th, special for each 200 game, cut glass vase, Sefton Box Co., Chicago.

Individual men bowling at Bensinger's, 29 W. Randolph St., 4th floor, Thursday, Aug. 22nd, 2 P. M. sharp.

1st prize, greatest number pins, three games, leather suit case, Pennock-Meehan Co., Philadelphia; 2nd, gold umbrella, Holton & Hunkel, Milwaukee; 3d, leather traveling bag, Vaughan's Seed Store, Chicago; 4th, gold umbrella, Hummel & Downing, Milwaukee; 5th, leather traveling bag, A. Lange, Chicago; 6th, box cigars, Geo. Assmus, Chicago; 7th, umbrella, A. L. Randall Co., Chicago; 8th, suit case, W. H. Kidwell, Chicago; 9th, order and hand case, Douglas Blvd. Floral, Chicago; 10th, umbrella, Fritz Bahr, Highland Park, Ill.; 11th, greatest number strikes, three games, umbrella, Fritz Bahr, Highland Park, Ill.; 12th, greatest number spares, three games, umbrella, Fritz Bahr, Highland Park, Ill.; 13th, greatest number pins, one game, box cigars, Peter Freeman, Aurora, Ill.; 14th, high man in individual bowling to roll off three games with high man team bowlers for the diamond medal and the championship of the convention, diamond medal, Brunswick, Balke & Collender Co., Chicago; 15th, greatest number railroads first three games, Florists' Design Book, Florists' Exchange, N. Y.

Shooting contest 2 P. M. sharp at Peter Reinberg's Farm, Kodzie and Devon Aves. Meet at bowling alley 12.30 noon sharp, Thursday, Aug. 22nd, Peter Reinberg, captain. 1st prize, \$10.00 in gold, Sefton Box Co., Chicago; 2nd, fishing rod, Joe Mendall, Chicago; 3d, album water gardening, Florists' Exchange, N. Y.

Men team bowling at Bensinger's, 4th floor, 29 W. Randolph St., Thursday, Aug. 22nd, 4 P. M. 1st prize, team making most pins in three games, silver loving cup, Robert Craig Co., Philadelphia; 2nd, silver loving cup, Moninger Co., Chicago; 3d, \$10.00, W. N. Rudd, Chicago; 4th, team prize, H. Riversdorfer, Philadelphia; 5th, team prize \$10.00, Wertheimer Bros., New York; 6th, \$5.00, A. Henderson & Co., Chicago; 7th, five boxes cigars, C. C. Peltworth, Milwaukee; 8th, five cans cigars, Knight Cigar Shop, Chicago; 9th, \$5.00, Hoerber Bros., Chicago; 10th, silver loving cup, Moninger Co., Chicago; 11th, and high man on team to get a silver umbrella, Foley Mfg. Co., Chicago; 12th, team that gets highest single game, \$5.00, Pochmann Bros. Co., Chicago; 13th, team making most strikes, three games, \$5.00, Pochmann Bros. Co., Chicago; 14th, team making most spares, three games, \$5.00, W. J. Boas & Co., Philadelphia; 15th, team making most railroads, three games, \$5.00, W. J. Boas & Co., Philadelphia; 16th, high man on team bowlers to roll off three games with high man on individuals for the championship of convention and diamond medal, Brunswick, Balke & Collender Co., High man on each team to roll off in individuals for prizes.

Fourth Day.

Ravinia Park races and field sports, 11 A. M. sharp, Aug. 23d, Friday. All races to be from scratch to be held on Ravinia Park Field.

Girls' race, 10 years and under, 50 yards 1st prize, \$2.00, Sefton Box Co., Chicago; 2nd, 1st ribbon, Sprinkle Proof, Sam Seligman; 3d, box candy, Elsie Winterson.

Boys' race, 10 years and under, 50 yards. 1st, \$2.00, Sefton Box Co., Chicago; 2nd, money bank, Sefton Box Co., Chicago.

Girls' race, 15 years and under, 60 yards. 1st, cut glass plaza bowl, Sefton Box Co., Chicago; 2nd, cut glass Raynor candy dish, Sefton Box Co., Chicago.

Boys' race, 15 years and under, 100 yards. 1st, \$2.00; 2nd, \$1.00, Sefton Box Co.

Single ladies' race, 50 yards. 1st, \$3.00; 2nd, \$2.00, Ed. F. Toepel, Morton Grove.

Married ladies' race, 50 yards. 1st, silver buckle, American Florist Co.; 2nd, silver buckle, American Florist Co.

Men's race, 125 lbs. and over, 200 yards. 1st, silver loving cup, Geo. Wittbold Co., Chicago; 2nd, \$3.00 cash, Sefton Box Co., Chicago; 3d, silver cigar cutter, F. Lautenschlager, Chicago.

Fat men's race, 200 lbs. and over, 225 lb. men must be 6 ft. or over, 224 lb. men or less must be 5 ft. 10 or less; 100 yards is distance. 1st, gold fob, Flower Growers' Assn., Chicago; 2nd, roll garden hose, Revere Rubber Co., Chicago; 3d, \$5.00, W. J. Boas & Co., Philadelphia.

Broad jump. 1st, box cigars, Ed. Winterson, Chicago.

Sack race. 1st, \$3.00; 2nd, \$2.00, Sefton Mfg. Co., Chicago.

Three-legged race. 1st, \$3.00; 2nd, \$2.00, Sefton Mfg. Co., Chicago.

High jump, 3½ ft. to enter. 1st, \$2.00, Sefton Mfg. Co., Chicago.

Special race, S. A. F. officials only, 50 yards and return to starting place; distance 100 yards. 1st, \$3.00; 2nd, \$2.00, Sefton Mfg. Co., Chicago.

Special race, press members only, 50 yards walk. 1st, \$3.00, Sefton Mfg. Co., Chicago.

Hop, skip and jump. 1st, \$2.00, Sefton Mfg. Co., Chicago.

Ball game, 1 P. M. sharp, Ravinia Park Ball grounds. Chicago Florist Club's team vs. S. A. F. All Stars; each man on winning team to receive \$2.50.

Man making first home run or longest hit at his second or later time at bat, 1st prize, leather pocketbook, Johnson & Cronis.

Man that works hardest and gets beat the worst, 1st prize, \$5.00 in gold, Benj. Hammond, Fishkill, N. Y.

Pitcher that makes most strike outs, 1st prize, box cigars, Herman Schiller.

BOSTON TO CHICAGO.

It is proposed to leave Boston on the 2.00 P. M. train Sunday, which arrives in Chicago Monday at 2.00 P. M. We hope to have a sufficient number to fill a special car and I should like to hear at once from those who would like to join this party and wish to have a berth reserved. It is important that I should have this information at once.

E. ALLAN PIERCE.

Waltham, Mass.

PHILADELPHIA TO CHICAGO.

The convention party will leave on the 10.17 train, Baltimore & Ohio, 24th and Chestnut street, Monday morning, August 19, picking up the Baltimore and Washington contingents on the way; \$15.40 one way. Those going should arrange with John Westcott, chairman of transportation committee, at once, otherwise they will have to pay the straight fare; \$17.00. Address: John Westcott, Ridge and Lehigh avenues. All are welcome whether members of the club or not. "The more the merrier."

NEW YORK TO CHICAGO.

Frank H. Traendly says the party will fall short of the requisite number for the special train, so that they will be accommodated in two special cars on N. Y. Central, Monday morning.

Tickets and sleeping car reservations are to be paid for on the train. If any baggage is to be checked application should be made to the baggage room at the Grand Central Terminal, stating that you are a member of the florists' party en route to Chicago.

CHICAGO—THE CONVENTION CITY

A Gazetteer of the World published in Philadelphia in the year 1839 says: "Chicago; a town with a military post called Fort Dearborn, at the southern extremity of Lake Michigan in the State of Illinois. A river of the same name here flows into the lake." That's all. The same authority gives the population of the State of Illinois as 157,575, "of whom 746 are slaves." The lapse of 73 years has made an inconceivable transformation as everybody knows. Those who attend the Convention next week will see for themselves—those who do not will have no trouble in finding the facts in the history of the growth of the great metrop-

Craig of Philadelphia was president. E. G. Hill of Richmond, Ind., was elected president and W. J. Stewart of Boston was chosen secretary to succeed Edwin Lonsdale of Philadelphia, who had declined a re-election. Previous to the convention a local Florists' Club had been organized and the members of this club were the active factors in the preparations for and entertainment of the visitors. Looking over the list of those who were omnipresent in all Chicago floral affairs in those days it is appalling to realize how few are alive today. Among the notable visitors on that occasion was the late Henry Bennett of Shepperton, Eng-

hospitality. The show, as we all know, which had been regarded somewhat in the nature of an experiment, was a horticultural and financial success.

Chicago Parks.

Chicago early appreciated the value of public parks and laid out large tracts which were developed with great liberality. The lake front offered splendid opportunities for public recreation purposes and the city was fortunate in securing able men for the work of construction and development so that Chicago parks were for some years probably the most noted in this country, but that distinction is, we be-



LOUIS WITTBOLD,
Chairman of Chicago Florists' Club Decorating Committee.

olis of the west, if they so desire, so there is no need to rehearse them here.

A Big Producing Centre.

Chicago was early in the game as a good flower consuming community but in due time the tables were turned and she took a leading position among the flower producing centres of the country. For a period the florists of Chicago were eager buyers of the product of eastern growers and contributed their full share towards extending the glass area and inflating the bank accounts of the affluent rose growers of other sections a quarter century or more ago; now as a distributing flower centre Chicago has no equal, her shipping trade extending to the Gulf of Mexico on the south, the Rockies on the west and to a considerable distance north and east.

The First Chicago Convention.

Twenty-five years ago the Society of American Florists held an enthusiastic convention—the third—in Chicago. The sessions opened on Tuesday, August 16, 1887, at the 1st Regiment Armory. There were nearly 500 people present at the opening exercises, and there was a very creditable exhibition for a society so young. Robert



PHILIP J. FOLEY,
President, Chicago Florists' Club.

land, the pioneer in the raising of hybrid tea roses.

New York joined with Philadelphia and Baltimore in a special train to Chicago, a stop being made at Luray Cave for sight-seeing, while Boston "flocked by itself," going via the Hoosac Tunnel route, picking up additions at Utica, Syracuse and Buffalo, and stopping off for a half-day at Niagara Falls.

Chicago has furnished four presidents for the S. A. F.—J. T. Anthony, 1894; W. N. Rudd, 1899; J. C. Vaughan, 1905; George Asmus, 1911; all of whom are alive today with the exception of J. T. Anthony. Among the other Chicago members who have served on the executive board are J. D. Reynolds, Emil Buettner, P. J. Hauswirth and August Poehlmann.

Chicago Hospitality.

Chicago again acted as host to the S. A. F. on the occasion of the visit of the society to Milwaukee in the year 1903, when the members were entertained lavishly on a steamer trip from Milwaukee and in Chicago on arrival there. Again in 1908, when the first National Flower Show was held in Chicago, the florists of the country were treated with open-handed



J. F. KIDWELL,
President, Chicago Flower Growers' Association.

lieve, generally conceded now to Boston.

Some Leading Establishments.

We have referred to the large commercial floral and allied establishments that have found in Chicago a large and lucrative field of activity. A few of the most notable and enterprising, which all visitors to the convention should take opportunity to inspect are the following:

Poehlmann Bros. Co.

Poehlmann Bros. Co., at Morton Grove, probably welcome more visitors each year than any other house in the west, for not only is the extreme size of the plant an attraction, but the place stands for the latest ideas in building, equipping and growing. Just now a labor-saving arrangement is being completed for carrying the cars of coal directly into the coal sheds at an elevation of some forty feet and dropping the coal into the bins without handling.

The latest enterprise is in the realm of pot plants and about 60,000 square feet of glass will be devoted to azaleas, poinsettias, cyclamen, primroses and other blooming plants, as well as ferns, palms, etc. The carnation range contains 300,000 plants and as the

names of varieties are always interesting to growers the writer secured them. All other whites have given way to White Perfection; for red, Scarlet Glow and Beacon; dark pink, Lawson and Mrs. C. W. Ward; light pink, Winsor and Gloriosa; lighter pink, Enchantress and Mayday. No variegated. Hill's new red Commodore is said to have all the points of a good commercial variety in its tryout so far. American Beauties, orchids, sweet peas and lily of the valley fill the remaining houses in Plant "A," while Plant "B" covers the thousands of tea roses.

Kroeschell Bros. Co.

Kroeschell Bros., whose boilers have made their names famous; Charles, William, Albert and Otto, founded the business in 1876 in their present location at 440-472 West Erie St. The firm has happily been spared most of the ups and downs that come to many



FRED LAUTENSCHLAGER.

and has steadily developed a gigantic business whose market is world-wide. Fred Lautenschlager is right-hand man here and is on half the convention committees.

John C. Moninger Co.

The John C. Moninger Co. represent 64 years of effort to obtain the best results in building commercial greenhouses and providing their equipment. Their illustrated catalogues on the materials and methods of building modern greenhouses, boilers, pumps, watering systems, etc., are full of money-making knowledge. Franc C. Moninger was the founder of the business in 1848 on Kinzie street, where the Leonard Seed Co.'s buildings now stand. After the Civil War a new start was made on Hawthorn avenue, and in 1890 John C. Moninger, son of the founder, took hold of the business and at his father's death three years later succeeded him and with M. J. Rupp and E. T. Kurowski, now compose the present firm, with P. McKee as manager. A visit to their place is instructive and a cordial welcome is always assured.

Budlong's.

J. A. Budlong's business was among

the very first of its kind in Chicago in what was then Jefferson Park and far to the north of the city, but now a valuable part of the city proper. The two Budlongs who were the originators of the business passed away a few



FRED C. PRICE. PHIL SCHUP.
WM. HORNBURG.

years ago and the next generation took up the work. Phil Schup whose wife is a daughter of one of the elder Budlongs, is in charge of the store and one of the heaviest shippers in the city. His son Roswell Schup has lately gone into the store making the third generation. The small photograph shows Fred Price, Wm. Hornburg and Phil Schup in their usual happy frame of mind.

Hoerber Bros.

Hoerber Bros. at Desplaines, Ill., have the distinction of being the newest of the large wholesale places. A strictly modern range of 20 houses 300 feet long is filled with sweet peas, roses, carnations and chrysanthemums.

The Hoerber Bros. are three in number; W. F., F. C. and J. L. and during the four years since they started, have built up a fine business. F. C. Hoerber



C. N. DICKINSON.

Secretary and Manager of E. H. Thompson Supply House.

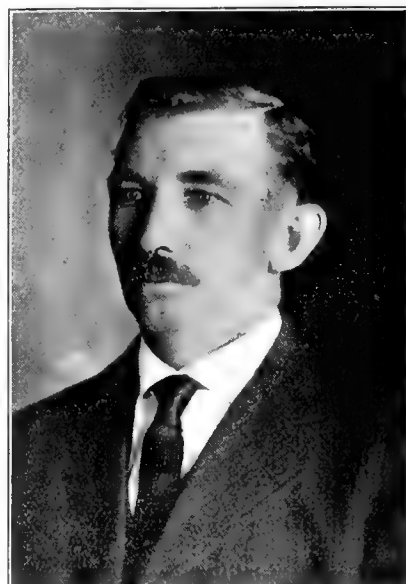
is in the store at 162 N. Wabash Ave., assisted by Harry Mannheim who has had many years' experience in the trade.

Peter Reinberg.

The largest range of glass within the city limits, 2,500,000 sq. ft., is that of Peter Reinberg on N. Robey street, whose business was started there 30 years ago and was then far out in the country. The specialties here are roses, carnations and Beauties and their immense shipping trade reaches practically to all sections of the United States and far into Canada. Mr. Reinberg is also active in politics. His salesrooms at 30 E. Randolph street have for several years been in charge of Tim Matchen, a very capable young man.

Frank Oeschlin.

Frank Oeschlin's is the show place of the city. Once take a walk through these houses and you will plan for it each time you come to Chicago. Everything in plants and every plant grown, as nearly a perfect specimen as a plant can be, is what you will find. Frank Oeschlin was born in Switzerland but came to his adopted country



FRANK OESCHLIN.

when a boy, spending several years in the east, and going to Chicago in 1891 where he worked for J. Kidwell. In 1898 he rented the greenhouse known as the Garfield Park Floral Co., and soon began the erection of his present plant, which has grown yearly till now he has 80,000 sq. ft. all devoted to choice plants. Mr. Oeschlin is a skillful grower and his success is based on the quality of the stock he sends out.

Chicago Carnation Co.

The Chicago Carnation Co., is always counted as a Chicago institution though its greenhouses are at Joliet. Its output of choice carnations is widely known. A. T. Pyfer, its manager, is well known to all the trade and through him the firm have gained the reputation of being one of the most liberal entertainers in this locality. Visitors are always welcome.

Sharp, Partridge & Co.

For the past eleven years 2263-69 Lumber street has been of interest to florists for here is where they have secured the glass for their greenhouses. Sharp, Partridge & Co. have won the confidence of the trade by

GLIMPSES OF CHICAGO



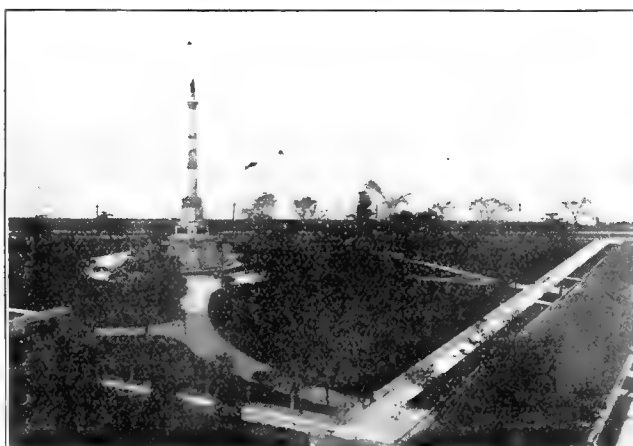
Garfield Park Refectory



Shopping on State Street



View in Washington Park



Douglas Monument on Lake Front



Washington Park Conservatory



Art Institute

LILIAM HARRISII

Grown from the original pure stock. Extra fine. 6-7 inch bulbs, 350 to the case, \$15.00 per case. Full thousand lots, \$40.00 per 1,000.

LILIAM CANDIDUM

Extra sized bulbs, \$5.00 per 100, \$40.00 per 1,000; Mammoth bulbs, \$6.00 per 100, \$50.00 per 1,000.

WHITE ROMAN HYACINTHS

12-15 c/m bulbs, \$2.50 per 100, \$22.00 per 1,000.

FREESIAS

French-grown.

Mammoth bulbs, ¾ in. and up, \$12.00 per 1,000; Extra sized bulbs, ½ to ¾ in., \$9.00 per 1,000.

PAPER WHITE GRANDIFLORA NARCISSUS

13 c/m bulbs, \$8.50 per 1,000; 14 c/m bulbs, \$10.50 per 1,000.

PHOENIX ROEBELENI

The finest and most graceful of all palms. Hardest for summer decoration. Ironclad. Does splendidly out of doors. Fine specimens in new 12-in. tubs, \$5.00 each.

CROTONS

Best assorted varieties in 5-in. and 6-in. pots, \$6.00, \$9.00 and \$12.00 per dozen.

COLD STORAGE LILY OF THE VALLEY

Very finest quality obtainable. Packed in cases of 500 and 1,000.

COLD STORAGE LILIAM GIGANTEUM

7-9 inch bulbs; case lots of 300.

FINE FERNS

We have a magnificent stock of exceptionally fine **NEPHROLEPIS** in the following varieties, viz.:

ELEGANTISSIMA, 6-inch pots, .50c. each; 8-inch, \$1.00 each; extra fine specimens, 12-inch, \$4.00 to \$5.00 each. **BOSTONIENSIS**, 10-inch and 12-inch, \$5.00 to \$7.50 each.

GIATRASI, 8-inch, \$1.00 each; 10-inch, extra fine specimens, \$3.00 each.

SCOTTII, 6-inch pots, .50c. each; 10-inch, extra fine specimens, \$2.50 each.

VIRIDISSIMA, 10-inch, \$2.00 to \$3.00 each.

MAGNIFICIA, **MUSCOSA**, **ELEGANTISSIMA COMPACTA**, 3½-inch pots, 25c. each.

GIATRASI, **VIRIDISSIMA**, **BOSTONIENSIS**, 3½-inch pots, 15c. each.

SMALL FERNS FOR FERN PANS, assorted varieties, 2¼-inch, \$3.50 per hundred.

ASPARAGUS PLUMOSUS NANUS, 2¼-inch pots, \$1.00 per hundred.

Revised Prices for Surplus OF Horseshoe Brand Lily Bulbs

Immediate delivery. Quality good and bulbs strictly up to size. No counter offers will be accepted. The following are the prices until further notice:

Lilium Formosum

Size	6-8 in....	\$12.00 per box of 200 bulbs
"	7-9 in....	24.00 per box of 300 bulbs
"	8-9 in....	24.00 per box of 260 bulbs
"	8-10 in....	25.00 per box of 250 bulbs
"	9-10 in....	22.00 per box of 200 bulbs
"	9-11 in....	22.00 per box of 180 bulbs
"	11-13 in....	18.00 per box of 120 bulbs

Lilium Harrisii

Size	5-7 in....	\$16.00 per box of 400 bulbs
"	6-7 in....	16.00 per box of 335 bulbs

The following to arrive shortly.

Lilium Multiflorum

Size	7-9 in....	\$18.00 per box of 300 bulbs
"	8-10 in....	22.50 per box of 250 bulbs
"	9-10 in....	20.00 per box of 200 bulbs

Lilium Giganteum

Size	6-8 in....	\$16.00 per box of 400 bulbs
"	7-8 in....	16.00 per box of 350 bulbs
"	7-9 in....	16.00 per box of 300 bulbs
"	8-10 in....	22.50 per box of 250 bulbs
"	9-10 in....	22.00 per box of 200 bulbs
"	9-11 in....	21.60 per box of 180 bulbs
"	10-11 in....	22.50 per box of 150 bulbs
"	11-13 in....	24.00 per box of 120 bulbs

Prices on other Japanese bulbs quoted upon application

Cold Storage Giganteum for sale

Now is the time to order all fall bulbs—don't be the last man and get what's left.

Write to-day.



Ralph M. Ward & Co.
71 Murray Street
NEW YORK CITY

Not How Cheap
But How Good

F. R. PIERSON CO., Tarrytown-on-Hudson
NEW YORK

Boston Flower Exchange

WILL HOLD THEIR ANNUAL

Auction Sale of Stalls

ON

SATURDAY, AUGUST 31, 1912

AT 9 O'CLOCK A. M.

Sale to be Held in the Market

AT

C PARK ST., BOSTON, MASS.

Per Order Board of Directors

their business methods and the result has been a steady growth till their shipping trade now extends from Maine to California and from New Orleans to Minnesota. Lester E. Partridge, secretary and manager is well known to the trade and is prominent in the work of the convention, being a member of the Allied Trades Committee. Mr. Partridge says factories are still closed for the summer and will probably not resume till the middle or last of October, and that he expects prices to keep firm on the present basis or possibly go higher.

A. L. Vaughan.

A. L. Vaughan, of the company that bears his name, is one of the best known wholesale commission men in Chicago. He started when a slender lad and filled various important positions for a score of years. Seven years

ago the firm of Vaughan & Sperry was formed and last year Mr. Vaughan bought out his partner's interest, taking entire charge of one of the busiest stores in the wholesale section, where his genial manner makes even a business call a pleasure. Give him a call when at the Convention.

NEWS NOTES.

Baker, Ore.—The Baker Floral & Seed Co., Center street, lost about 400 lights of glass by hail on July 22.

Chambersburg, Pa.—George Ridgely is now running the greenhouses formerly owned by William B. Reed.

Des Plaines, Ill.—It is reported that the George M. Garland Co., greenhouse builders, are to open a branch office in San Francisco next winter.

Boddington's "Quality" CHRISTMAS-FLOWERING SWEET PEAS

WE ARE SUPER-HEADQUARTERS

All true stocks of Winter-flowering Sweet Peas will be scarce this season. Some varieties are a total failure owing to the exceptional season in California this Spring. Our advice to intending planters is to order at once. Mr. Wm. Sim, Cliftondale, Mass., the great Winter Street Pea Specialist, sows our seed almost exclusively.

Our stock of Christmas-flowering Sweet Peas have stood the test for years, and we can refer you to the largest growers of this increasingly popular flower, as to the trueness and quality of our seed, earliest of blooming period and strength and habit of plants.

The following varieties are the "best by test" and include Zvolanek's and our own introductions, grown for seed from selected stocks by the leading California grower and specialist in Sweet Peas.

Our output last year was nearly 3000 lbs. Few kicks and plenty of testimonials as to quality, germination and trueness to type.

We can make immediate delivery all the following varieties.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year; name on application. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50

ANGELINO. Self pink; new variety. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$4.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.75, lb. \$3.00.

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FLORENCE DENZER. Pure white. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

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MRS. GEO. LEWIS. Large, pure white, wavy flower. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

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MRS. WILLIAM SIM. Salmon-pink. Oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

MRS. ZVOLANEK. Blue, variegated. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.

MISS HELEN M. GOULD. White, open flower; standard lilac, marbled. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

MISS JOSEY REILLY. Lilac; very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

WATCHUNG. Pure white. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

WM. J. STEWART. Blue self. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

All other varieties of Winter and Summer-flowering Sweet Peas supplied. Write for quotations.

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SINGER BUILDING, 149 BROADWAY
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F. & F. NURSERIES, SPRINGFIELD, N. J.

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Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

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POT GROWN. Extra Strong, any quantity, any variety. Order early and have your plants selected for July delivery.

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WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
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Our Illustrated and Descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

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TWO IMPORTANT NEW COMMERCIAL FERNS

Cyrtomium Rochfordianum

THE CRESTED HOLLY FERN

The Most Valuable Decorative Fern of Recent Introduction

A most important addition to our list of Ferns. Its foliage is of a rich, deep, glossy green color, the pinnae or leaflets besides being wavy or undulated are also deeply cut or toothed, giving the plant a graceful light appearance, which make it valuable not only as a dish Fern but decorative work and for apartment use.

2 1/4 inch pots, 75 cts. per dozen; \$5.00 per 100; \$10.00 per 1000. Also a limited lot of flats of about 200 plants each, at \$3.00 per flat.

Adiantum Farleyense Gloriosa

THE GLORY FERN or RUHM VON MORDRECHT

The Fern Which Will Revolutionize the Cut Frond Business.

For the grower of Ferns for cutting this new Maiden Hair will undoubtedly prove a most important addition; it closely resembles Adiantum Farleyense and will make a splendid substitute for that fancy variety and it can be produced at much less cost, as it will thrive under conditions in which Adiantum Farleyense could not exist.

At our Riverview Nursery we have given it a very fair trial for this purpose during the past winter. A block of these plants were planted on a bench in a house devoted to the ordinary Boston Fern and received the ordinary treatment and temperature given to the Nephrolepis, and under this treatment they developed not only fronds of great beauty on longer, stiffer stems than Farleyense produces, but also many more fronds than would be developed by that variety in the same length of time under the most favorable condition.

Anyone who successfully grows the ordinary varieties of Adiantum such as Cuneatum, Croweanum and Hybridum, can grow it under precisely the same conditions given to these sorts.

We have a fine block of about 30,000 young plants coming on which will be ready to send out in September from 2 1/4-inch pots, and for which we are now booking orders at \$2.00 per doz.; \$15.00 per 100; \$140.00 per 1000.

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These flats contain about two hundred plants each, only one variety in a flat, and we cannot supply less than a full flat of any one of the following varieties:

ASPIDIUM TSUSSIMENSE
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PTERIS WINSETTI MULTICEPS
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Samples of the above, as well as a complete line of other Dreer Specials, will be shown at the Chicago Convention and our staff of Salesmen will be present to give full information regarding same.

HENRY A. DREER, Inc., 714 CHESTNUT ST., PHILA., PA.

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June and July Delivery
We will have a fine lot ready early in July.
Extra Strong 2 1/2-in. pot plants, \$5.50 per 100, \$50.00 per 1000. Strong 2 1/2-in. \$5.00 per 100, \$45.00 per 1000.

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FERN SEEDLINGS

In the leading best varieties, ready now for potting. For assorted varieties, \$1.50 per flat; 10 flats at \$1.25 each; 50 flats at \$1.00 each. Plants packed out of flats for shipment, 110 clumps to a flat.

Kentia Belmoreana and Forsteriana, from 2 1/4 inch pots, \$6.00 per 100; from 3 inch pots, \$12.00 to \$15.00 per 100.

PHOENIX ROEBELEII.

From 3 3/4 inch pots, well rooted, ready for shifting, \$6.00 per dozen; \$40.00 per 100.

ASPARAGUS PLUMOSUS NANUS.

Transplanted Seedlings, well branched, from flats, \$1.50 per 100; also 2 1/4 inch pots, \$3.00 per 100.

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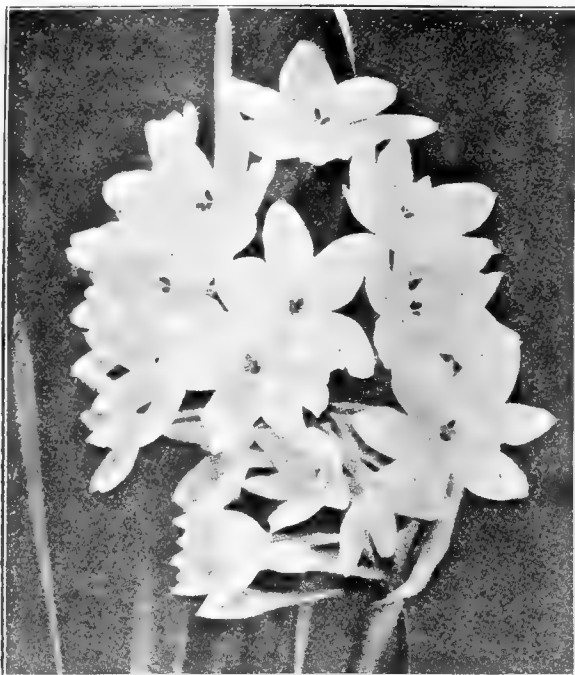
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All Varieties. All Sizes.
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So Do Not Be Caught Napping

	100	1000
5 to 7 St. David's Harrisii, plump bulbs....	\$5.00	\$48.00
7 to 9 St. David's Harrisii, plump bulbs....	9.00	85.00
9 to 11 Very scarce.....	20.00	

WHITE ROMAN HYACINTHS

	100	1000
11 to 12 Ctns., Extra bulbs.....	\$2.25	\$21.00
12 to 15 Ctns., Extra bulbs.....	2.75	25.00
13 to 15 Ctns., Extra bulbs.....	3.25	30.00

PAPER WHITES FANCY

\$1.15 per 100; \$8.50 per 1000

FREESIAS

Mammoth, \$1.00 per 100; \$9.50 per 1000

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Seed Trade

The Dull Season.

The American seed trade is enjoying its annual midsummer siesta, its leading members recuperating from the regular spring grind, and the consequent strain on brain and body and an occasional attack of "nerves." In a few weeks the bulb season will open as a prelude to the more strenuous work required by the regular seed business. There is little of interest we can say aside from stereotyped phrases and platitudes which are of little or no value to readers, excepting to give reliable crop news. This we shall aim to do briefly and we hope with reasonable correctness.

The European Situation.

So far as we can ascertain, but little has transpired in the European situation excepting a confirmation of many of the early pessimistic predictions. We have not the data nor the space to mention each item in detail, but may say that biennials are generally in a bad way, though we believe that with a few exceptions, conditions are not quite so serious as a year ago. The heaviest shortages are in garden beets, carrots and mangels. California will relieve the situation on carrots to a considerable extent, and while many thousands of pounds of garden beets will be produced in this country this year, its relation to the total will be comparatively small. It may be of interest to note in passing, that the annual famine in genuine French-grown Golden Self-Blanching celery will be in full force again the coming season.

California Seed.

California-grown garden seeds will not match up with last year's either in quality or quantity. It is well known that sweet peas are largely a failure. Onion seed will not return an

average yield, and should there be as heavy a demand as during the past season prices are likely to reach higher levels than for several years past. The chief factor in determining this will be the onion crop, both sets and large onions. We have not been able to get a line on these as yet, therefore cannot express any opinion in the matter.

Corn, Beans and Peas.

Corn is late and the condition unsatisfactory, but we need not despair of a corn crop yet, though a warm, open autumn and pretty continuously favorable weather from now on is needed to give us well matured corn that will have the requisite vitality. Everyone knows the difficulties of securing sound seed corn that would meet the germination requirements the past season, and last year up to this date was a more favorable one for corn than this.

Indications are that beans will be a short crop, but barring damage by a wet harvest, there should be enough with the carry-over to meet all requirements. There may be a hardening of prices but no famine. In the matter of peas, the situation is distinctly favorable and it looks as if we were to be surprised with a good average crop or nearly so. It is the first time in more than five years since fortune has thus smiled upon the seed trade and we almost fear to state the good news lest we awake to find it but a pleasant dream. After repeated assurances, however, we make bold to give out the information, with the additional statement that harvesting is progressing under generally favorable conditions. Of course there are occasional bad spots, enough probably to prevent a bumper crop, and cause the complete assimilation of what is produced. It may be well to remark that the worst spot on the map in the seed pea situation is Canada. We have received but meager reports from there,

but such as we have are unfavorable, though we believe not nearly so black as last year.

Seed Legislation.

The Seed Import Bill is on the calendar in the U. S. Senate, but greatly changed from the original Bill as passed by the House. Senator Gronna of No. Dakota has proposed, in Section 4, a very unfortunate amendment whereby all interstate commerce in seeds mentioned in the bill must carry a label stating kind of seed, percentage of germination, per cent. of "adulteration" (?) name and address of consignee and place where seed was grown. To anyone acquainted with the nature of seeds, their harvesting, cleaning, grading, etc., this amendment is very objectionable for obvious reasons. However, such strong and reasonable objection against this impracticable legislation has been aroused by seedsmen throughout the country, that there seems reasonable certainty that the amendment will fail. This may entail the failure of passing any bill in the current session of Congress. The bill as it passed the House of Representatives is reasonable and quite likely to perform a distinct service to American Agriculture.

CURTIS NYE SMITH,

Notes.

Champaign, Ill.—Work on the new seed warehouse for Noble Bros. has begun.

Paducah, Ky.—New quarters are being built for the Yopp Seed Co., 124 South Second street, to cost about \$10,000.

New York, N. Y.—A. T. Boddington has just received the new crop of sweet peas from California and they are having an almost unprecedented rush.

Mr. Charles E. Robinson, formerly with F. R. Pierson Co., has decided to embark in the seed business at Peeks-

(Continued on page 221)

LILIUM MYRIOPHYLLUM



GOLD MEDAL

AWARDED LAST MONTH BY THE

Massachusetts Horticultural Society

FIRST CLASS CERTIFICATE

AT THE

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LONDON

The finest Lily in existence; flowers blush-pink with yellow throat; perfectly hardy; forces well!

Each \$1.50 - - - Dozen \$15.00

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Our plantings of AMERICA, BARON HULOT, PRINCEPS, AUGUSTA, BRENCHLEYENSIS, MAY, MRS. KING, SHAKESPEARE, etc., are immense.

Our own named varieties still stand among the "Top Notchers."

Offered by all the leading houses handling bulbs.

Do not fail to see our exhibit of BLOOMS if you attend the S. A. F. Convention in Chicago.

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SEED TRADE.

(Continued from page 220)

kill. N. Y. With his long experience and ability Mr. Robinson should make a pronounced success of his independent venture.

As stated in these columns some weeks ago, no radical changes have been inaugurated in the management of the Jerome B. Rice Seed Co., and none are contemplated. The old and faithful employees who have done so much to develop and make the business are still loyal and so long as the present organization controls, the business should continue to prosper.

The Cambridge Valley Fair, fostered and developed largely by the genius and energy of the late Jerome B. Rice is to be continued along the same lines by his trusted lieutenants, and there seems no reason to doubt that its popularity and success will continue. It will be held at a somewhat earlier date than usual, extending from Aug. 19 to 23. Many local seed dealers of Northern New York, Vermont and Western Massachusetts, usually attend and many have exhibits.

CATALOGUES RECEIVED.

W. F. Marshall & Co., New York City—Bulbs for Fall Planting, 1912. Illustrated.

Wm. Elliott & Sons, New York City—List of Giant-Flowering Bulbs and Seeds for Fall planting.

Burnett Bros., New York City—List of Fall Bulbs, 1912. Cover illustrations, narcissi and tulips in natural colors.

Weeber & Don, New York City—Bulbs, Roots and Seeds for Fall, 1912. Cover in brown tints with Darwin tulips for subject.

J. M. Thorburn & Co., New York City—Wholesale Trade Pricelist of High Class Bulbs for Forcing and Outdoor Planting, 1912.

A. T. Boddington, New York City—Garden Guide, summer and autumn, 1912. Attractively illustrated as usual and with original cover designs of hyacinth and iris conventionalized in blue, green and gold.

CHOICE SEEDS
FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas, &c.
THOMAS J. GREY CO.
32 South Market Street, Boston Mass.



"THE KENILWORTH STRAIN" of GIANT PANSY SEED

Must not be compared with the flimsy Trimardeau

It is much larger and of good substance; the immense flowers, of 3½ to 4 inches, are of perfect form, and every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. The Stock Plants are most critically selected. It is rich with shades of brown, bronze, red, mahogany, and many others too numerous to mention. Light, Medium or Dark Mixtures. Read what Growers say about my strains of Pansy Seed in HORTICULTURE of July 20.

1912 SEEDS NOW READY

PANSIES IN SEPARATE COLORS.

Per 1000 Seeds
Giant Adonis, beautiful light blue...25c
Giant Emperor William, ultramarine blue...25c
Giant King of the Blacks, coal black...25c
Giant Lord Beaconsfield, violet, shading to white...25c
Giant Golden Queen, yellow...25c
Giant Golden Yellow with dark center...25c
Giant Masterpiece, beautifully ruffled, with a wide range of color...25c
Giant White, very fine...25c
Giant White with large violet center...25c
Giant Red, a fine mixture of red shades...25c
Giant Royal Purple, fine large flower...25c
Giant Orchid-flowering, rare shades...25c
Giant Bronze and Copper Shades...25c
Giant Light Blue, delicate shades of blue...25c
Giant Dark Blue, deep blue shades...25c
Giant Zebra Mixed Shades, striped...25c

2000 seeds, 50c.; 5000 seeds, \$1.00;
¼ ounce, \$1.25; ounce, \$5.00.

Preceding 16 Sorts Mixed, in equal proportions, per 1000 seeds, 25c; any 5 pkts., \$1.00; any 11 pkts., \$2.00.

The Rainbow blend is grown from the latest introductions of giant pansies of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send 1000 of Rainbow free, and with other amounts in like proportion.

Chas. Frost
Kenilworth,
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and all Garden Seeds }

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226-230 W. KINZIE STREET, CHICAGO
ONION SETS
Write for Prices

J. BOLGIANO & SON
WHOLESALE FIELD AND GARDEN SEEDS
Established 1818
Write For Our Low Prices
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BALTIMORE, MD.

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Ask for prices

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

POINSETTIA 2 1-2 in. strong, \$5 per 100; \$45 per 1000
CYCLAMEN SEED the celebrated English strain, \$9 per 1000
PANSY SEED, home-grown, finest giant strain, \$5 per oz.
Send for Catalogue.
S. S. SKIDELSKY & CO.
1215 Betz Bldg. Philadelphia.

NEW CROP FLOWER SEEDS

PRIMULA, Obconica (in colors). **PANSY**, American Show, and all other varieties in mixtures and separate colors. **ANTIRRHINUM**, giant flowering, in colors. **STOCKS**, for forcing, all varieties and a full line of Perennial Flower Seeds.

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Seed Merchants and Growers,
114 Chambers Street, New York.

Oklahoma Seed Growers Co.

Contract Growers of

Watermelon and Muskmelon Seeds
for the Wholesale Trade only

Enid - - Oklahoma

FLOWER SEEDS For Early Sowing

Price List for the Asking

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231-235 W. Madison St., CHICAGO

FALL BULBS

Our shipments of ROMAN HYACINTHS, FREESIAS, ORNITHOGALUMS, HARRISII and CANDIDUM LILIES are ready for delivery now. They come from the best growers in Bermuda and France. Our HYACINTHS, TULIPS and other DUTCH BULBS are imported direct from our regular Holland growers, whose stock we have used for years. The fact that we import more bulbs than all other seedsmen, florists and nurserymen in Rochester is proof that our bulbs give satisfaction. *Our prices are very low this year considering the quality of the stock we sell.* SEND FOR OUR WHOLESALE CATALOG.

A STEADILY
GROWING BUSI-
NESS, DUE TO PUB-
LIC APPROVAL
OF VICK QUALITY
SEEDS, PLANTS
AND BULBS, THE
BEST THE EARTH
PRODUCES

ASTER SEED

The demand for our ASTER SEED as well as other summer flowering annuals has grown so rapidly that we have a larger acreage than ever before. This year we have fifty acres of Asters alone which will be well worth coming a good many miles to see. Florists and others are always welcome visitors.

JAMES VICK'S SONS, Rochester, N.Y.

*Thorburn's
Seeds*

Asparagus Plumosus Nanus

NEW CROP NOW READY.

Per 1000 seeds, \$1.50; 5000 and up @
\$1.25 per 1000.

NEW CROP BERGLINDEN STRAIN

CYCLAMEN GIGANTEUM SEED
JUST RECEIVED

PRICES IN OUR BULB CATALOGUE

MUSHROOM SPAWN

New Crop English and American Bricks
WRITE FOR PRICES

BULB CATALOGUE NOW READY — SEND
FOR A COPY

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TOMATO SEED

BEST STOCKS. ALL VARIETIES.

The Haven Seed Co.

Growers for Wholesale Trade Only.
SANTA ANA, CALIFORNIA.



...THE...
J. C. Robinson Seed Co.

Waterloo, Neb.
Rocky Ford, Colo.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar, Flint and Field Seed Corns.

Place Your Order Now For
**AYRES' WINTER FLOWERING
SWEET PEA SEED**

For Fall Delivery

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

Sunnyslope

Independence, Mo.

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Fruitmen, Horticulturists, and Poultrymen should get their printing done by specialists. Write for prices to THE REX CO., Harrisburg, Pa.

SOW NOW

	6 Tr.	Tr.
	Pkts.	Pkt.
Bellis, Double Daisy, Master-piece, Giant White.....	\$2.50	\$0.50
Bellis, Double Daisy, Master-piece, Giant Pink.....	2.50	.50
Begonia Gracilis Luminosa, True Scarlet.....	2.50	.50
Begonia Bedding Queen, True Pink.....	2.50	.50
Cineraria Hybrida, Giant-flowered Hybrids.....	2.50	.50
Mignonette, Zangen's Greenhouse Triumph.....Oz.	\$8.00	1.00
Myosotis, Winter Queen, for greenhouse only.....	2.50	.50
Pansies, Florists' Mixture, special strain.....	Oz.	\$3.00
Pansies, Giant Cassiers, in all creations.....	Oz.	5.00
Snapdragon, Giant-flowered, in colors, separate.....	Oz.	1.00

If you need any other seeds, ask for my Florists' Catalogue—it's a reliable Florists' Guide, and is free to you.

O. V. ZANGEN

HOBOKEN, N. J.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

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(Retailers' Section—S. A. F. & O. H.)

Mutual discounts, 20 per cent.
Write for particulars to

Provision for guaranteed accounts.

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Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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Cor. Michigan Ave. and 31st St.,
CHICAGO, ILL.

(Member Florists' Telegraph Delivery Asso.)

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

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**Kansas City, Mo.
913 Grand Ave.**

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All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE

Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

GEORGE M. STUMPP

761 Fifth Ave., Cor. E 58th St.

NEW YORK CITY

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Asso.

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

**HOLM & OLSON, Incorporated
ST. PAUL, MINN.**

Of Interest to Retail Florists

Hutchison, Kan.—The Schurr Florist Shop has been purchased by Norval Kline.

Bristol, Conn.—Terry & Peck, florists, 148 North Main street, have sold their business to John E. Cullem.

Troy, N. Y.—J. H. Duke has sold his store at 2006 Fifth avenue and is doing business only at his greenhouses.

San Francisco, Cal.—The business of J. Rossi & Bros., California Evergreen Co., and the San Francisco Evergreen Co. have been combined.

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow...Aug. 30

American.

St. Paul, N. Y.-Southampton...Aug. 24

St. Louis, N. Y.-S'hampton...Aug. 31

Atlantic Transport.

Minnetonka, N. Y.-London...Aug. 24

Minnehaha, N. Y.-London...Aug. 31

Cunard.

Laconia, Boston-Liverpool...Aug. 20

Mauretania, N. Y.-Liverpool...Aug. 21

Ivernia, N. Y.-Mediterranean...Aug. 22

Caronia, N. Y.-Liverpool...Aug. 24

Hamburg-American.

Cincinnati, N. Y.-Hamburg...Aug. 22

K. A. Victoria, N. Y.-Hamb'g...Aug. 25

Pres. Lincoln, N. Y.-Hamb'g...Aug. 31

Holland-America.

New Amst'd'm, N. Y.-R't'd'm...Aug. 27

Potsdam, N. Y.-Rotterdam...Aug. 20

Leyland.

Winifredian, Boston-Liverp'l...Aug. 24

Canadian, Boston-Liverpool...Aug. 31

North German Lloyd.

Kronp. Wilhelm, N. Y.-B'm'n...Aug. 20

P. Fr. Wilhelm, N. Y.-B'm'n...Aug. 24

K. Wilhelm II, N. Y.-Bremen...Aug. 27

Bremen, N. Y.-Bremen...Aug. 31

Fr. der Grosse, N. Y.-Medit'n...Aug. 31

Red Star.

Finland, N. Y.-Antwerp...Aug. 24

Vaderland, N. Y.-Antwerp...Aug. 31

White Star.

Adriatic, N. Y.-Liverpool...Aug. 22

Majestic, N. Y.-Southampton...Aug. 24

Cyonic, Boston-Liverpool...Aug. 27

Baltic, N. Y.-Liverpool...Aug. 29

Oceanic, N. Y.-Southampton...Aug. 31

Elmira, N. Y.—Several changes in the officers of the United States Flower Co. were made at a recent meeting of the stockholders. Seymour Lowman was made president and Harry N. Hoffman vice-president. Frank Inksater was elected secretary-treasurer.

NEW FLOWER STORES.

Lawrence, Kan.—Elwood Kline.

Richmond, Cal.—Adolph Winters.

Oakland, Cal.—J. Darcy, Pantages Theatre Building.

Detroit, Mich.—J. F. Sullivan, 361 Woodward avenue.

Penn Bros. are showing some fine spikes of gladiolus Mrs. Frank Pendleton, Jr. This variety is rare this season in Boston as the majority of bulbs are in the hands of one grower.

J. A. VALENTINE, Denver, President.
W. J. PALMER, Buffalo, Vice-President.
W. L. ROCK, Kansas City, Treasurer.

OTHER DIRECTORS:

Ernest Wienhoeber, Philip Breitmeyer,
A. B. Cartledge, W. F. Gude, George Asmus,
Fred H. Melnhardt.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Must be Prepaid*

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Cable Address, ALEXCONNELL.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

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Telephone 1552-1553 Columbus

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

BROOKLYN—NEW YORK

Wilson

3 & 5 Green Ave.
Tel. 6800 Prospect

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75 MAIDEN LANE

ALBANY, N. Y.

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AND VICINITY

ALBANY, N. Y.

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Flowers or Design Work

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ON TELEGRAPHIC ORDER

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Hatcher

Estab. 1877

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Amsterdam, N. Y.

Schenectady, N. Y.

Established 1874

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N. E. Cor. 44 St. & Madison Avenue, N. Y. City

(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardapier.

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JACOB SCHULZ,

550 South Fourth Ave.

Member Florists' Telegraph Delivery.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston
and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, BOSTON.

CARBONE

Member Florists' Telegraph Delivery

342 Boylston St., Boston

Vases, Garden Furniture, Art Goods and
New Designs in Tuscan Baskets for
Florists' Use, in Wholesale Department.

H. F. A. Lange

WORCESTER, - MASS.

Deliveries to all Points in New England.
125,000 square feet of glass.

FOR NEWPORT

Narragansett Pier and All Other Rhode
Island Points

Transfer Your Orders to

GIBSON BROTHERS

36 WASHINGTON SQUARE, - - - NEWPORT, R. I.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 5289
Members Florists Telegraph Delivery

Flower Deliveries In

ROCHESTER, N. Y.

Salter Bros

38 MAIN STREET, WEST.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

The Far-Famed Flowers of

TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

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96 Yonge St., - - - TORONTO, ONT.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hs
Schools. **TAILBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 44-3.

Of Interest to Retail Florists

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosary, 76 Maiden
Lane.

Amsterdam, N. Y.—John C. Hatcher.

Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston
St.

Boston—Penn, the Florist, 37-43 Brom-
field St.

Boston—Julius A. Zinn, 1 Park St.

Boston—Phillip L. Carbone, 342 Boylston
St.

Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.

Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Denver, Col.—Park Floral Co., 1643 B'way.

Detroit, Mich.—J. Brettmeyer's Sons,

Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912
Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.

Indianapolis, Ind.—Florists' Telegraph
Deliveries, 241 Massachusetts Ave.

Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Wash-
ington Sq.

New York—George M. Stumpp, 761 Fifth
Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St.
and Madison Ave.

Providence, R. I.—T. J. Johnston & Co.,
171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main
St., West.

Rochester, N. Y.—J. B. Keller & Sons, 25
Clinton Ave., N.

St. Paul—Holm & Olson, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F.
St.

Wellesley, Mass.—Tailby.

Worcester, Mass.—H. F. A. Lange.

FRENCH RESTRICTIONS ON CUT FLOWER SHIPMENTS.

(From Consul General James A. Smith,
Genoa, Italy.)

The French decree of April 19, 1912,
prohibits the importation of Italian
cut flowers into France from May 1
to November 1 each year. This affects
chiefly the Italian Riviera region
(Leguria), which exports to the neigh-
boring Republic large quantities of cut
flowers, chiefly roses, although carna-
tions and violets have also been ship-
ped in the past.

The reason for this prohibition is
the prevalence of *Diaspis pentagona*,
a pest which destroys the mulberry
tree, thereby injuring silkworm cul-
ture and menacing the silk industry.
It seems that the larvae of the *Diaspis*
pentagona are not mature from No-
vember to May, and for that reason
cut flowers are not so apt to spread
the parasite in that season as through-
out the summer. The height of the
Italian exportation of roses to France
is said to be during December, Janu-
ary and February.

The exports of fresh flowers from
Italy to all countries in 1911 were,
valued at \$1,631,390.

BOSTON, MASS.

Penn the Florist

"Penn, The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET



**WASHINGTON,
D. C.**

GUDE'S

Member Florists'
Telegraph Delivery.

Chicago.

A. LANGE,

25 E. MADISON ST.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you
require, and for what kind of cut flowers you wish
to use the refrigerator; also state whether you
want it for display or only for storage.

McCray Refrigerator Co.,
353 Lake Street, Kendallville, Ind.

Mention Horticulture when you write.

PROVIDENCE, R. I.

and all **T. J. JOHNSTON & CO.**
New England Points **171 Weybosset Street, Providence**

PERSONAL.

Walter S. McKinley has been ap-
pointed head gardener for Mr. J. H.
Dick, Islip, L. I.

John Doig, formerly gardener for J.
L. Thorndike, West Manchester, Mass.,
has accepted a similar position in De-
troit, Mich.

Thomas Manwell has completed his
duties as foreman of the greenhouses
at Coldbrooke, Lenox, Mass., and will
probably locate in New York.

Geo. McKenna, lately gardener for
Mr. R. V. Lindaberry, Bernardsville, N.
J., is now greenhouse foreman for Mr.
E. L. Meyer, Huntington, L. I.

H. E. Philpott of Winnipeg, on an
annual round of visits, says some of the
Montreal boys talk of coming down to
join the N. Y. party for Chicago.

Raymond V. Kester has been ap-
pointed manager of the Indianapolis
branch of the Hill-Heller combination
of retail flower stores. Mr. Kester
has been with Pennock Bros., Phila.,
for the past ten years; previous to
which he had experience in New York
and Pittsburg. He and his family
leave for the West on the 14th inst.
His hosts of friends wish him abun-
dant success in his new venture.

Boston visitors—In addition to the
list of park superintendents given
elsewhere: J. A. Hammond, with
James McManus, New York; Leonard
Barron, with Doubleday-Page Com-
pany, New York.

Brecht's Florists' Refrigerators

Will display your flowers in an attractive manner and keep them in perfect condition. In Brecht's Refrigerators there is always

Strong Circulation of Dry Cold Air

We build them of oak, or any other wood, highly finished and thoroughly insulated. All hardware is of brass, quadruple nickel-plated. The best of French beveled plate glass used for mirrors and windows. Write for prices today.

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1853

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Main Offices and Factories:
1216 Cass Ave., ST. LOUIS, MO.

NEW YORK CITY

DENVER

SAN FRANCISCO

A MODERN FLOWER STORE.



We publish herewith for the benefit of our readers the interior view of the salesroom of Sanders' Nurseries of St. Louis, Mo. This is one of the most attractive shops in the country, and caters to the best trade of St. Louis. The view shows from the reception

ST. LOUIS PERSONALS.

W. C. Smith along with Mrs. Smith are at Jerome, Mo., for a fishing trip.

Ed. Kalisch of the firm of Kalisch Bros., is spending his vacation at Elkhart Lake, Wis.

J. J. Beneke is still an enthusiast on the bowling question but says it has died out here among the florists and that so far as he knows there will

room back to the greenhouses. On the left is one of Brecht's refrigerators which they report is giving entire satisfaction.

Prospective buyers of florists' refrigerators will find it to their advantage to communicate with The Brecht

not be a bowling team from here at Chicago and that the individual event will only be represented from here this year at least.

Chas. Young, of the C. Young & Sons Co., is at South Haven, Mich., for a week's stay and will take in the convention on his way home.

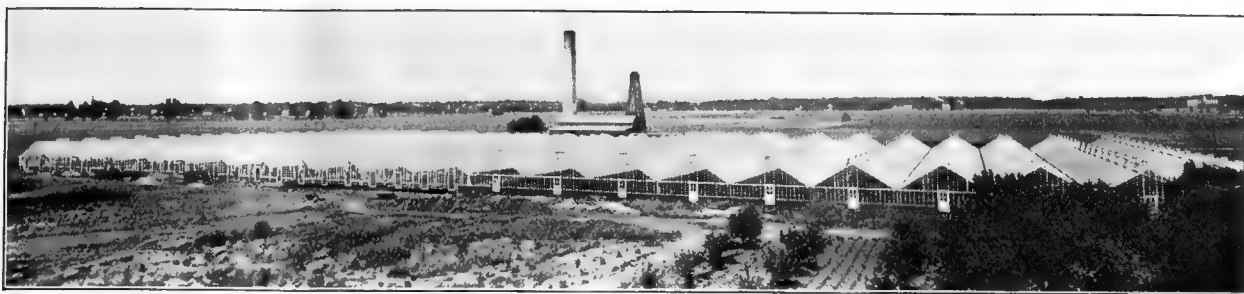
Theo Miller will soon open his new store at Hamilton and Delmar Aves. Mr. Miller erected the building some

Company of St. Louis, Mo., or any of their branches in New York, Denver and San Francisco. The Brecht Co. will exhibit one of their latest refrigerators mechanically cooled by one of their ice machines, at the Coliseum, Chicago, during the Convention.

time ago. The old establishment will be retained.

Visitors.—M. LeVine of Lion & Co., New York and Julius Dillhoff of Schloss Bros., New York.

Oakland, Md.—It is reported that three greenhouses of H. Weber & Sons Co. were destroyed by the severe storm of July 24. Other houses were somewhat damaged.



HOERBER BROS. GREENHOUSES AT DESPLAINES, ILL.

Newest of the large ranges near Chicago devoted to

ROSES, CARNATIONS, SWEET PEAS and CHRYSANTHEMUMS

Salesroom at 162 N. Wabash Ave., and fresh stock ready to fill orders promptly at all times.

Try us and you will be a regular customer

HOERBER BROS. 162 N. WABASH AVE. CHICAGO, ILL.

AMERICAN ASSOC'N OF PARK SUPERINTENDENTS

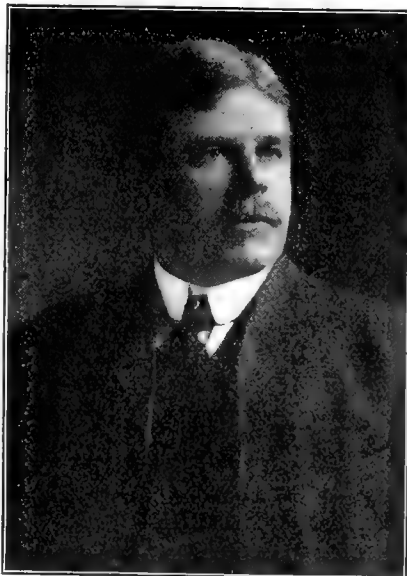
The fourteenth annual convention of the park superintendents opened in Horticultural Hall, Boston, on Monday forenoon, August 12. It was the largest and most representative gathering in the Association's history, there being about 150 visitors and, as the list below shows, coming from every section of the country. Registration and a meeting of the executive committee occupied so much time that it was nearly eleven o'clock before the Association got down to business. President W. H. Dunn, superintendent of parks of Kansas City, called the meeting to order, and introduced James B. Shea, superintendent of parks of Boston, who welcomed the delegates. "I am pleased," he said, "to see so large an attendance of men who represent the highest type of civic development in this busy twentieth century. My welcome is tinged with a feeling of sadness because we have lost one of the men who was a founder of this Association, the late J. A. Pettigrew, superintendent of parks. But if he is not here he has left his monument in our splendid park system and in the work he has done here. We will do all we can to welcome you, and hope your stay here will be long and pleasant."

Mr. Shea was loudly applauded, and President Dunn made a fitting response. He said that it was his first experience here and he had looked forward to it. "We recognize in Boston," he said, "the father of the municipal park system. We expect to learn a great deal here, and expect to find the most fully developed park system in this country. We are sure that our stay will be both pleasant and profitable, and that we will find all we can expect in the way of entertainment, as we know Boston's reputation for hospitality."

The secretary read a report of the executive committee regarding an official organ for the Association. The recommendation was to adopt "Park and Cemetery" as such organ and the members so voted.

A luncheon was given at the hall

through the courtesy of John K. M. L. Farquhar. Following the luncheon automobiles were taken at the hall and went out through the Back Bay Fens, Riverway, Jamaica Way and Franklin Park to the Arboretum, where the Hunnewell Museum was visited and the rest of the afternoon was spent in the Arboretum, under the guidance of Messrs. Dawson, Wilson and Curtis of the Arboretum staff.



JAMES B. SHEA,

President Elect American Association of Park Superintendents.

In the evening Mr. E. H. Wilson delivered a stereopticon lecture on his trip to China in search of trees and shrubs which are capable of thriving in the New England states and was followed by Mr. J. J. Levison of the Brooklyn Park Department who showed a fine series of views in Prospect Park and elsewhere.

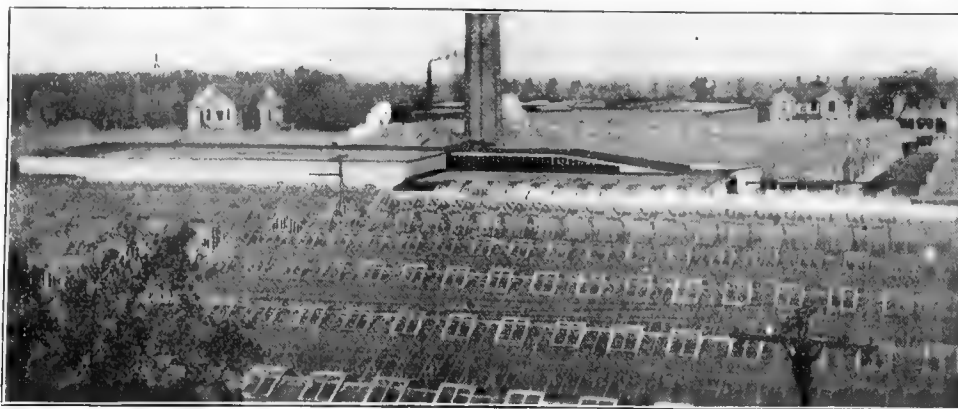
At Tuesday morning's session Denver, Colo., was selected as the place

for next year's convention on a close vote, Newburgh, N. Y., being favored by many. It is understood that Newburgh will probably be selected for the following year and that San Francisco and the great Panama exposition have the right of way for 1915.

Officers were then elected as follows: President, James B. Shea, Boston; vice-presidents, S. C. Steinhuer of Denver, A. V. Parker of Worcester, C. G. Carpenter of Milwaukee, C. D. Stewart of Ottawa, E. F. Reinisch of Topeka and H. S. Ricards of Chicago; secretary-treasurer, J. J. Levison of Brooklyn, N. Y. Announcement was made of the illness of C. E. Keith of Bridgeport, one of the older members of the Association who is very popular with the members, he having suffered a slight paralytic shock. It was unanimously voted to make Mr. Keith honorary president for life. In the afternoon tours were made to the various playgrounds of the city. Many went to the public landing at Marine Park for a short harbor trip, and lunch was served on board. Later in the afternoon auto trips were made to Strandway in South Boston, to Norumbega Park, and the Hunnewell estate at Wellesley. In the evening at Horticultural Hall, interesting lectures, illustrated by stereopticon slides, were delivered by J. K. M. L. Farquhar of Boston and D. W. Cotterill, secretary of the Park Commission of Seattle, Wash.

During the session of Tuesday morning, Mayor Fitzgerald came in and made an address which was received with great applause. He said, in part:

"I think that altogether too much attention has been paid to the artistic side of park life in America with too little regard for the practical purposes for which the parks might be used. It seems to me that a middle course, which would keep the parks attractive to the eye and at the same time utilize them to the advantage of the people who pay for them, should be the policy of the park departments of the country. During my present administration I have had frequent conferences with park, public grounds and sanitary authorities with a view to increasing the



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**BUY DIRECT
FROM THE
GROWERS**

**All Our Flowers
Are Grown
in
CHICAGO**

Our Motto: Honest Dealings, Good Values

**Our Specialties: American Beauties, Roses, Carnations, and Blue Ribbon Lily of the Valley
all the year round. Asparagus and other greens.**

DO NOT FORGET that we have **CHRYSANTHEMUMS** in their season. We grow the best varieties, including the very early and the very late, so we cover the entire season.

J. A. BUDLONG

**82-84-86 E. Randolph Street,
CHICAGO**

opportunities for healthful exercise, and I am glad to say that a very marked improvement has taken place along these lines the last three years. In fact, it is only within a few days I signed an order creating the position of play leaders, and there are now about a dozen young men engaged in directing the play of the people in the different sections of the city. We have a municipal Athletic Association of which I have been made the honorary president, and if you were here for the next few weeks you would be able to witness some of the best sports in the world among youngsters of school age. It is my intention, while I am mayor of the city, to increase activities along these lines, particularly with a view to giving those who work for a living a chance to develop outside working hours. This is a very important phase of the public grounds life of America, and while it has been neglected in the past, I think its importance will commend itself increasingly every year to the public authorities."

Wednesday morning's session was a busy one. Papers were read by W. A. McIntyre on construction of concrete roads, W. H. Dunn on the increase in value of real estate by park and boulevard construction and G. A. Parker on park accounting, which elicited much discussion.

Resolutions were adopted on the deaths of Edward H. Perry, superintendent of the State Reservation at Niagara Falls; William R. Smith, for half a century superintendent of the Botanic Garden at Washington, D. C., and James Wilson, superintendent of parks of Toronto. Mrs. J. A. Pettigrew was made an honorary member.

Boston Public Garden. Playgrounds, Charles River Basin, Mystic Valley Boulevard, Middlesex Fells and Revere Beach Parkway were inspected on Wednesday afternoon by auto, and in the evening a shore dinner at the Lynnwood Club. Point of Pines, as

guests of the City of Boston, closed the program of the 14th annual convention.

Thomas J. Murphy of Boston Park Department, had charge of the registration and information bureau. The following were registered:

James B. Shea, Boston; Chas. E. Putnam, Boston; Herman W. Merkel, New York; David E. Austin, New York; C. O. E. Boehm, Davenport, Ia.; O. W. Crabbs, Muncie, Ind.; Chas. Haible, Newburgh, N. Y.; Chas. A. Whittet, Lowell, Mass.; J. H. Griffith, New York; Henry Fr. st, Haverhill, Mass.; Robert S. Sinclair, Newark, N. J.; A. M. Reynolds, Newark, N. J.; A. Church, Newark, N. J.; L. D. Cox, Los Angeles, Cal.; Roland Cotterill, Seattle, Wash.; Frank Brauback, Terre Haute, Ind.; A. C. Graham, Council Bluffs, Ia.; H. G. McGee, Council Bluffs, Ia.; Theodore Wirth, Minneapolis, Minn.; L. P. Jensen, St. Louis, Mo.; A. A. Fiske, Racine, Wis.; Alex. Stuart, Ottawa, Can.; Fred J. Lazzell, Cedar Rapids, Ia.; J. Gibson, Bellingham, Wash.; Geo. A. Hill, Tacoma, Wash.; Sid. J. Harr, Kansas City, Mo.; J. F. Huss, Hartford, Ct.; Fred C. Steinhauer, Denver, Col.; John Barry, Colorado Springs, Col.; Edward R. Meick, Wilmington, Del.; John H. Jackson, Niagara Falls, Can.; G. Hennenhofer, Pueblo, Col.; H. F. Major, Columbia, Mo.; W. F. Major, Ithaca, N. Y.; George R. Taeffe, Columbia, Mo.; J. A. Rickeman, Minneapolis, Minn.; Chas. G. Carpenter, Milwaukee, Wis.; J. F. Neil, Chicago, Ill.; Jackson Dawson, Boston; A. Balmer, Vancouver, B. C.; Wm. C. Thompson, Portland, Me.; John W. Duncan, Spokane, Wash.; Hans J. Koehler, Boston; J. J. Levison, Brooklyn, N. Y.; J. H. Prost, Chicago, Ill.; Paul B. Rus, Rockford, Ill.; Geo. Champion, Winnipeg, Can.; W. S. Manning, Baltimore, Md.; Eugene Goebel, Grand Rapids, Mich.; Wm. J. Zartmann, Brooklyn, N. Y.; W. C. Grassaw, Brooklyn, N. Y.; G. H. Burgoine, New York; G. N. Anshun, New Haven, Ct.; J. F. Macpherson, Springfield, Ill.; C. H. Heehler, Rocklyn, N. Y.; W. H. Dunn, Kansas City, Mo.; F. L. Mulford, Washington, D. C.; Charles P. Price, Malden, Mass.; V. Grant Forster, Harrisburg, Pa.; Fred C. Green, Providence, R. I.; J. H. Bently, New York; Frank P. Gosard, Kansas City, Mo.; W. F. Decker, Min-

neapolis, Minn.; Byron Worthen, Manchester, N. H.; Wm. W. Colton, Fitchburg, Mass.; Oglesby Paul, Philadelphia, Pa.; Isaac Kelley, Lawrence, Mass.; W. M. Shephardson, Middleby, Ct.; Geo. H. Sargent, Boston; Wm. J. Stewart, Boston; R. W. Curtis, Boston; H. J. Moore, Niagara Falls, Ont.; L. C. Raymond, Niagara Falls, Ont.; K. P. Coldwell, Newburgh, N. Y.; E. C. Ross, Newburgh, N. Y.; Richard P. ver, Halifax, N. S.; M. H. Norton, Boston; John Allen, Queens, N. Y.; James F. M. Farquhar, Boston; G. H. Dollister, Hartford, Ct.; John K. M. L. Farquhar, Boston; Harold J. Menze, Worcester, Mass.; F. A. Beckert, Terre Haute, Ind.; Fred C. Alber, Cleveland, O.; John Boddy, Cleveland, O.; G. A. Parker, Hartford, Ct.; C. J. Haible, Newburgh, N. Y.; C. C. Lane, Rochester, N. Y.; Earle F. Wilde, State College, Pa.; Ernest Keith, Louisville, Ky.; N. F. Flitton, Baltimore, Md.; John Henderson, Montreal, Can.; W. H. Coldwell, Newburgh, N. Y.; Thomas J. Higgins, New York; W. C. K. Belknap, Newburgh, N. Y.; A. R. Brae, Newburgh, N. Y.; A. V. Parker, Worcester, Mass.; E. J. Buttenheim, New York; C. E. Chambers, Toronto, Can.; Francis H. Bird, Berkeley, Cal.; William E. Fischer, Boston; Chas. P. Ford, Rochester, N. Y.; E. Bernadet, Montreal, Can.; E. H. Norman, Montreal, Can.; H. H. Flitton, Baltimore, Md.; Edward P. Adams, Medford, Mass.; E. H. Wilson, Jamaica Plain; Fred. Dawson, Brookline; Henry S. Dawson, Jamaica Plain; Thomas W. Cook, New Bedford, Mass.; William Keith, New Bedford, Mass.; Frederick L. Olmstead, Boston; Mrs. F. C. Steinhauer, Denver, Col.; Mrs. W. F. Major, Ithaca, N. Y.; Miss I. H. Carpenter, Milwaukee, Wis.; Miss A. E. Carpenter, Milwaukee, Wis.; Miss J. F. Neil, Chicago, Ill.; Mrs. W. S. Manning, Baltimore, Md.; Mrs. F. L. Mulford, Washington, D. C.; Mrs. Frank P. Gosard, Kansas City, Mo.; Miss Katherine Schmeck, Kansas City, Mo.; Miss Power, Halifax, N. S.; Mrs. Power, Halifax, N. S.; Mrs. J. B. Shea, Boston; Mrs. E. H. Wilson, Jamaica Plain.

Rockford, Ill.—The greenhouse property of C. H. Woolsey, Longwood and Charles streets, has been sold to real estate dealers. He will not vacate till October 1.

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Consignors' individual interests carefully conserved.

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226 Devonshire Street, - Boston, Mass.

Clubs and Societies

MASSACHUSETTS HORTICULTURAL SOCIETY.

The gladiolus and phlox exhibition at Horticultural Hall, Boston, on Saturday and Sunday, August 10 and 11 was a brilliant and pleasing display. Among the most notable exhibits were the gladioli from Chamberlain & Gage, B. Hammond Tracy, (first prize) Wm. Whitman and C. W. Brown; Lilium Henryi and a collection of perennials and annuals from R. & J. Farquhar & Co.; phloxes and annuals from Eastern Nurseries and Bay State Nurseries; seedling gloxinias and asters of high merit from A. W. Preston, gard. J. L. Smith, phloxes from T. C. Thurlow & Sons and sweet peas from Langwater Gardens, gard. W. N. Craig. The latter was awarded honorable mention. The Hunnewell estate, gard. T. D. Hatfield, showed Japanese cherries in fruit, first time shown here and honorable mention was accorded them.

Chamberlain & Gage were the recipients of the following special awards for seedling gladioli: Gladiolus gandavensis Myrtle, delicate rose-pink with white throat, silver medal; G. gandavensis Mrs. Montague Chamberlain snow white with slight line of crimson, stalk 4 to 5 ft. high, first-class certificate; seedling No. 301, crimson with black streaks, honorable mention. The Bay State Nurseries' display of herbaceous flowers won a bronze medal and Farquhar's lilies a silver medal. D. F. Roy got a first-class certificate for Begonia gracilis Prima Donna.

LADIES' SOCIETY OF AMERICAN FLORISTS.

The annual meeting of above society will be held at Auditorium Hotel, Chicago, on sixth floor, Wednesday, Aug. 21st, at 10.30 A. M. Free for all. The Ladies' S. A. F. will also give an informal reception and dance at same hotel on Thursday, Aug. 22nd, 8.30 P. M. to all their friends.

The Secretary will be at Exhibition Hall in the Coliseum all day Tuesday to receive dues and members. Members please wear your badge pin.

MRS. J. W. BOONE, Pres.,
MRS. CHAS. H. MAYNARD, Secy.

CLUB AND SOCIETY NOTES.

The regular meeting of the Cincinnati Florists' Society was held last Monday evening. Vice-President James Allen presided. Pres. Gus Adrian was away.

At the monthly meeting of the New London (Conn.), Horticultural Society, held in its rooms on Main street, it was decided to hold the annual aster show on Aug. 27, in and about the house of the Pequot, Ind., Hose Company in lower Boulevard.

Eldorado, Kan.—The greenhouses of Will H. Noble have been purchased by C. M. Salisbury, who will continue the business.

Asparagus Hatcheri

Unequalled for decorative beauty, lasting qualities and productiveness.

Every user of "Green" will find this always a highly satisfactory "money maker,"

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CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

	BOSTON August 15	CHICAGO August 6	ST. LOUIS August 13	PHILA. August 13
ROSES				
Am. Beauty, Fancy and Special....	15.00 to 25.00	20.00 to 25.00	15.00 to 25.00	20.00 to 30.00
“ “ Extra.....	10.00 to 15.00	15.00 to 20.00	..... to 10.00	..... to 15.00
“ “ No. 1.....	6.00 to 8.00	10.00 to 15.00	..... to 8.00	..... to 10.00
“ “ Lower Grades.....	1.00 to 4.00	4.00 to 8.00	3.00 to 4.00	5.00 to 8.00
Killarney, Richmond.....	.50 to 5.00	4.00 to 6.00	..... to 5.00	3.00 to 8.00
My Maryland, Kaiserin, Carnot....	.50 to 6.00	..... to .....	..... to	3.00 to 8.00
Bride, Maid.....	.50 to 4.00	..... to	3.00 to 4.00	..... to
Taft, Hillingdon, Ward.....	.50 to 5.00	4.00 to 6.00	..... to	4.00 to 10.00
CARNATIONS				
.....	.50 to 1.50	1.50 to 2.00	1.00 to 1.50	1.00 to 3.00
MISCELLANEOUS				
Cattleyas.....	50.00 to 60.00	20.00 to 40.00	40.00 to 50.00	..... to 75.00
Lilies, Longiflorum.....	4.00 to 6.00	8.00 to 12.00	6.00 to 8.00	..... to 10.00
“ Speciosum.....	..... to 3.00	..... to .....	..... to .....	..... to
Lily of the Valley.....	2.00 to 3.00	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Gladioli.....	2.00 to 4.00	2.00 to 5.00	1.50 to 5.00	2.00 to 6.00
Asters.....	.15 to 1.00	1.00 to 4.00	1.00 to 3.00	1.00 to 3.00
Daisies.....	..... to .50	.50 to 1.50	.15 to .35	..... to
Sweet Peas.....	.15 to .50	.30 to .50	.15 to .25	.50 to .75
Gardenias.....	..... to 25.00	..... to .....	..... to .....	..... to 10.00
Adiantum.....	1.00 to 1.50	..... to .75	1.00 to 1.25	1.00 to 1.50
Smilax.....	8.00 to 12.00	15.00 to 20.00	12.00 to 15.00	15.00 to 20.00
Asparagus Plumosus, Strings (100)..... to 50.00	50.00 to 75.00	35.00 to 50.00 to 50.00
“ “ & Spren. (100 Bchs.).....	25.00 to 50.00	25.00 to 50.00	15.00 to 25.00 to 50.00

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Flower Market Reports

BOSTON Trade is about the same as at the corresponding date in other years but the extreme heat of the past few days is interfering seriously with the quality of flowers and stock arrives at market in a melting condition while flowers shipped out are almost sure to bring complaints to the wholesaler by return mail. Gladioli, asters, sweet peas and small roses are the most abundant features and all four are moved with difficulty. The best sellers are Carnot, Taft and medium Beauties. The special Beauty hangs fire and does not sell as well as those of the lower grades. Shakespeare gladiolus, for many years a favorite in this market seems to be losing to the more modern varieties. Lily of the valley is good but very short lived.

The first days of **CINCINNATI** this week market conditions were directly contrary to the first of last week. Then everything was good in so far as the general demand kept the market cleaned up pretty thoroughly. Now the supply has increased while the call if anything, has moved in an increased ratio to the increase and has become much lighter. As a result there is easily plenty of everything to be had. The best sells easily but blooms of inferior quality hardly find buyers who will take them. Asters of good quality are now in strong. They include mid-season and late ones and every color possible in this flower. Gladioli came in too strong for needs and as a result have crowded up. Among other stock from outdoors are very choice Hydrangea paniculata.

The rose cut, too, has increased until the supply is now at such a point where requirements take up only the best of the offerings quickly. The culls and seconds sell slowly. American Beauties, however, have been a brilliant feature. Ever since the summer season opened they have been a good seller in all kinds of markets.

The local situation is en-
DETROIT tirely different from a week ago. Asters and roses are being sent in in enormous quantities, a peculiarity of which is the great predominance of white asters. Roses are in the majority short-stemmed, but the buds are much larger than they were a week or so ago. Gladioli also are being shipped in very large quantities and while America is still the best in color it is odd how much shorter in stem this variety is with all growers as compared with other varieties and last year.

Business last
PHILADELPHIA week was about as usual for this time of year. Plenty of asters, of which sixty to seventy-five per cent. were under standard. First-class gladioli moved fairly well; but there was very little doing in the short-spike grades. Roses a little more plentiful with demand not quite so brisk—the one condition being probably contributory to the other. The quality of American Beauty is fairly good, all things considered, and they are a little more plentiful. But the Mrs. Taft is "the" rose at present and leads them all as to quality. Carnations are very

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	100	1000
COMFORT	\$8.00	\$75.00
BEACON	8.00	75.00
HARLOWARDEN	6.00	50.00
WHITE ENCHANTRESS	8.00	75.00
WHITE PERFECTION	8.00	75.00
WHITE WONDER	10.00	
ALMA WARD	8.00	75.00
GLORIOSA	10.00	
MRS. C. W. WARD	8.00	75.00
WASHINGTON	10.00	90.00
ENCHANTRESS	7.50	60.00
ROSE PINK ENCHANTRESS	8.00	75.00
PRINCESS CHARMING	10.00	
DOROTHY GORDON	7.50	60.00
WINONA	7.50	60.00

SPECIAL OFFER NEW AND STANDARD ROSES Extra Large, Very Choice Stock

OWN ROOT, 3 inch:	100	1000		100	1000
White Killarney	\$8.00	\$70.00	Melody	\$8.00	\$70.00
Double Pink Killarney	8.00	70.00	Double White Killarney	10.00	80.00
Pink Killarney	8.00	70.00			
Kaiserin	10.00	90.00	GRAFTED, 3 inch:		
Richmond	8.00	70.00	White Killarney	15.00	120.00
Sunburst	30.00		Double White Killarney	20.00	150.00
Killarney Queen	12.00	100.00	Killarney Queen	20.00	150.00

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI August 13		DETROIT August 13		BUFFALO August 13		PITTSBURGH August 13	
ROSES								
Am. Beauty, Fancy and Special	15.00	to 25.00	20.00	to 25.00	15.00	to 20.00	20.00	to 25.00
" Extra	10.00	to 15.00	15.00	to 20.00	10.00	to 15.00	12.00	to 15.00
" No. 1	6.00	to 10.00	12.00	to 15.00	6.00	to 10.00	6.00	to 8.00
" Lower Grades	3.00	to 6.00	4.00	to 10.00	2.00	to 4.00	2.00	to 4.00
Killarney, Richmond	2.00	to 6.00	3.00	to 6.00	.....	to	2.00	to 8.00
My Maryland, Kaiserin, Carnot	2.00	to 6.00	3.00	to 6.00	.....	to	2.00	to 8.00
Bride, Maid	2.00	to 4.00	3.00	to 6.00	2.00	to 6.00	.....	to
Taft, Hillingdon, Ward	2.00	to 6.00	3.00	to 6.00	3.00	to 4.00	6.00	to 8.00
CARNATIONS	1.00	to 1.50	1.00	to 2.50	1.00	to 2.00	.....	to 2.00
MISCELLANEOUS								
Cattleyas .....	.....	to .....	.....	to	40.00	to 50.00	40.00	to 50.00
Lilies, Longiflorum	6.00	to 8.00	10.00	to 15.00	7.00	to 10.00	.....	to 10.00
" Speciosum	2.00	to 4.00	.....	to	3.00	to 4.00	.....	to
Lily of the Valley .....	.....	to	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Gladioli	1.00	to 3.00	1.50	to 4.00	2.00	to 4.00	2.00	to 4.00
Asters .....	.50	to 2.00	1.00	to 2.00	.50	to 2.00	1.00	to 2.00
Daisies .....	.....	to .....	.....	to .....	.....	to .....	.....	to
Sweet Peas .....	.....	to .....	.....	to .....	.25	to .50	.....	to
Gardenias .....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum .....	.....	to 1.00	1.00	to 1.50	.50	to 1.50	1.00	to 1.25
Smilax	10.00	to 12.50	.....	to 15.00	.....	to 15.00	.....	to 15.00
Asparagus Plumous, Strings (100)	40.00	to 50.00	15.00	to 25.00	40.00	to 50.00	25.00	to 50.00
" & Spren. (100 bchs.)	25.00	to	15.00	to 25.00	25.00	to 50.00	25.00	to 40.00

scarce; what few arriving are reasonably good. Orchids scarce and not extra as to quality. A few early dahlias have appeared on the market, but general cutting of these will not commence until about the 20th inst. Early cosmos is beginning to loom up.

The St. Louis market
ST. LOUIS was rather top-heavy during the last week, plenty of stock of all kinds and the demand very poor. Gladioli are still over-plentiful in all varieties but not

(Continued on page 234)

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ROSES AND CARNATIONS	Last Half of Week ending Aug. 10 1912		First Half of Week Beginning Aug. 12 1912	
American Beauty, Fancy and Special	15.00	to 25.00	15.00	to 25.00
“ “ Extra	12.00	to 15.00	12.00	to 15.00
“ “ No. 1	2.00	to 8.00	2.00	to 8.00
“ “ Lower Grades .....	.....	to .50	.....	to .50
Richmond, Chateau, Extra and Special	3.00	to 4.00	3.00	to 4.00
“ “ Lower Grades .....	.50	to 3.00	.50	to 3.00
Killarney, My Maryland, Extra and Special	3.00	to 4.00	3.00	to 4.00
“ “ Lower Grades .....	.50	to 3.00	.50	to 3.00
Bride, Maid .....	.50	to 3.00	.50	to 3.00
Taft, Hillingdon, Ward .....	.50	to 4.00	.50	to 4.00
Kaiserin, Carnot	1.00	to 5.00	1.00	to 5.00
Carnations, First Quality	1.00	to 1.50	1.00	to 1.50
“ Ordinary50	to 1.00	.50	to 1.00

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W. J. COWEE, Berlin, N. Y.
10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers

HARDY CUT FERNS
FANCY and DACGER
Galax, Boxwood, Laurel
Roping, Wild Smilax, etc.
Hartford & McDonough
70 PEMBERTON SQ., BOSTON



WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

Flower Market Reports

(Continued from page 233)

near so many. Asters are a big glut at all the markets. Killarney roses, too, are many but White Killarneys are short in supply. Carnations, field-cut, are the only good ones that come in now. Hydrangeas, cosmos and tuberose don't sell well at any price. Lily of the valley and lilies hold their own in price.

Business this week
NEW YORK can be put down as absolutely stagnant.

The influx of stock such as asters, lilies and gladioli has been great. There has been an abundance of roses in the last two days—certainly on the small side—but Marylands, Wards, Taits, Killarnies and some Beauties which in better times would be thought no little of, were practically unsalable as a paying proposition. Yes, this market can do with a few convention weeks now and we are settled down to the dead season in real earnest.

PROPOSED PUBLICITY CAMPAIGN FOR FLOWERS.

The committee appointed by the New York Florists' Club to appear before the convention of the S. A. F. & O. H. at Chicago to obtain the endorsement of this movement by the society and its assistance in starting the campaign, has received the support of the florist clubs of several of our leading cities, which clubs have appointed committees to act with the New York committee at the convention. The New York committee will, at the convention, present a resolution asking for the appointment of a general standing committee to conduct the campaign, its membership to embrace one delegate from each florist club organizing a publicity committee before October 1 of each year, such general committee to direct the work of the local committees, which latter are to conduct the campaign within their respective districts. The S. A. F. committee would be expected to go into session annually at the society's conventions, receive the reports of the local committees, review the work as a whole and formulate plans for the continuance and extension of the campaign. The New York committee has devoted much time to consideration of the project and ways and means to put it into operation, and it is hoped that the campaign will be started at the Chicago convention.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Aug. 10 1912		First Half of Week beginning Aug. 12 1912	
Cattleyas	40.00	to 75.00	40.00	to 75.00
Dendrobium formosum	20.00	to 25.00	20.00	to 25.00
Lilies, Longiflorum	3.00	to 6.00	4.00	to 6.00
Speciosum	1.00	to 2.00	1.50	to 2.00
Lily of the Valley	1.00	to 3.00	1.00	to 3.00
Asters .....	.50	to 1.00	.50	to 1.00
Gladioli	1.00	to 2.00	1.00	to 2.00
Daisies .....	.50	to 1.00	.50	to 1.00
Sweet Peas (per 100 bunches)	1.00	to 2.00	1.00	to 2.00
Gardenias	15.00	to 25.00	15.00	to 25.00
Adiantum .....	.50	to .75	.50	to .75
Smilax	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings .....	.....	to 35.00	.....	to 35.00
& Spreng (100 bunches)	10.00	to 16.00	10.00	to 16.00

PROVIDENCE NOTES.

S. Kinder & Bro. of Bristol have nearly completed remodeling two houses. Both houses will probably be completed in a couple of weeks.

Charles Furge of Fall River has been appointed engineer at Oak Grove Cemetery in that city, by the Board of Park Commissioners. He will succeed Dennis Sullivan.

Miss Florence A. Willard of Edgewood is making extensive alterations in her large house on Massachusetts avenue and this fall she will devote her forces to producing a higher grade of flowers. The front of the house has been rebuilt with cement pillars and walls and it will be adapted for ferns, orchids, lilies and gardenias exclusively.

A. H. Johnson of Shaw avenue, Edgewood, is building a new house, 20 by 100, for sweet peas. The King Construction Company has the contract. There is a tendency among several of the florists to increase their stock of peas this summer and the supply the coming season will undoubtedly be larger than heretofore. Last winter good peas were very scarce and some of the growers plan to profit by the experience.

The Central Falls City Council has passed a resolution recommending the purchase of the Fairbanks estate adjoining Jenks Park in that city to be used for park purposes. The Council committee on parks recommended that a sum of \$3000 be set aside for the purchase of the property and the matter was referred to the Council committee on finance. This committee has held up the acquisition of the property by its reluctance in not reporting the measure back for final passage. There is a unanimous opinion that the acquirement of the property would make a valuable addition to the park.

CINCINNATI NOTES.

Avondale Floral Co. are rebuilding their conservatory.

Peter Weiland cut his first Golden Glow chrysanthemum last week.

Miss Jennie Adrian recently returned from an extended trip east.

Miss Mae Carroll is calling on her trade in the lower part of Kentucky this week.

An unknown and not a bit welcome personage appropriated Wm. Gardner's horse to his own use for several hours on Thursday evening of last week. It was found by an officer early the next morning on the outskirts of New Castle.

Cincinnati will send to Chicago on next Monday the largest delegation that has ever left this city for a S. A. F. convention. The bowling team will include C. E. Critchell, A. C. Heckman, Jr., Ed. Schumann, Al Horning and Ray Murphy.

Visitors: L. B. Brague, Hinsdale, Mass., and Martin Reukauf, Philadelphia.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

BIGGEST and BEST

Our splendid display at the Coliseum will amply repay the cost and time for a visit to the

CHICAGO CONVENTION

no matter how great the distance.

WE WILL SHOW

THE NEWEST and MOST USEFUL

introductions in all lines of Florists Supplies. Our exhibit for extent, variety and quality will be the finest ever brought together for the inspection of

THE FLORIST TRADE of AMERICA

Our novelties in Baskets, Ferneries, Jardinieres, Imperial Vases, Jet Ware, Tone Ware, etc., are, in material, color and finish, the finest and most up-to-date in the world, and shown in endless variety. These novelties are exclusive with us and can be seen only in our exhibit.

WE EXTEND

A CORDIAL INVITATION

to all florists to visit us at the Coliseum and let us show them the styles and decorative effects that are to lead in every up-to-date store the coming season. This great opportunity will be especially in order for the florists of the middle west and far west, who seldom have the privilege of visiting our mammoth stores in Philadelphia.

NOTE

Our Mr. Sidney H. Bayersdorfer assisted by Martin Reukauf, S. D. Green and I. M. Bayersdorfer will be on hand to welcome callers.

H. BAYERSDORFER & CO.

The Florists Supply House of America

1129 ARCH STREET - - - PHILADELPHIA, PA.

SPEAKING OF PHILADELPHIA

With a full realization of the commercial importance of the annual S. A. F. convention and the great publicity value of HORTICULTURE'S yearly convention special, it has been the custom of our ever-alert Philadelphia representative, Mr. Watson, to keep the Quaker City and her enterprising growers and horticultural tradesmen fresh in the minds of the trade by contributing interesting notes of what is going on there each year at this time. Just at present when the society is returning to Chicago after the lapse of 25 years the Philadelphia notes that follow are especially appropriate, for it was at Philadelphia that Chicago was selected as the convention city a quarter century ago and Philadelphia was, perhaps, the largest contributor in members and enthusiasm to whatever success was achieved at that time.

LEO NIESSEN CO.: This firm has now been located in its new building at 12th and Race streets for one year, and they report a very gratifying increase in business. Their new building is probably the largest and finest in the country devoted to this business. Their equipment in refrigerating machinery and other devices, is of the very latest and no expense has been spared putting the best in the various departments. The success of the firm has been rapid, and has been won by fair dealing with friends and competitors alike. Few business concerns have won their way to the front rank with so few animosities. Arthur NiesSEN gives a good pointer as to one of the elements that have been important when he says: "Our aim in doing business has always been to have facilities a trifle ahead of the volume of business itself. That avoids crowding

which, as a rule, entails lack of supervision. It takes facilities ahead of actual requirements all the time to assure the highest efficiency of service."

MICHELL TRIAL GROUNDS AND NURSERY AT ANDALUSIA: This establishment belonging to the Henry F. Michell Co. is officially known as Evergreen Seed Gardens. It is located by the New York branch of the Pennsylvania R. R. at Torresdale station. Has been in operation three years and during the past twelve months there have been erected two new greenhouses, each 100 feet long, making four greenhouses in all and two more are in contemplation for this fall. The firm, up to three years ago depended for their supplies of plants and nursery stock, on a multitude of growers. Their rapidly growing business, however, made this system more and more impossible—hence the establishment of their own grounds. There the proper strains, can be absolutely assured and much labor and expense saved in assembling orders calling for a large variety of items. Millions of vegetable plants are grown by the million for the store trade, and a great feature is also made of hardy perennials. Field grown roses occupy an important place. In gladioli the collection is extensive and very select. The gladiolus department is under the direct supervision of that well-known enthusiast in this flower, Maurice Fuld, and the trade in these has increased wonderfully. In peonies also, the general manager, Paul Richter, informs us, there has been a great awakening, especially for the fancy-named varieties. Cannas are grown by the acre and during the summer months are a fine advertisement for the place as they attract much attention from the thousands of people who pass daily in the cars. There are large blocks of perennial phlox, which like the canna is also a brilliant summer feature. Dahlias are looking very promising but only the earlier varieties are at present in bloom. Shrubs in all the

popular varieties, and hedge plants such as berberis and California privet, are largely grown.

BERGER BROS.: One of the liveliest of the wholesale commission cut flower houses of Philadelphia. About a year ago they moved from 13th and Filbert St. to more commodious quarters at 140-142 North St., where their business has extended and flourished. Established 1904 by Harry and John Berger, sons of an old Germantown family long identified with the florist business, their early training in the growing end fitted them well for making a success in marketing. They have proved themselves good merchants as well as good makers of goods to merchant.

PENNOCK BROS.: The leading and oldest retail florists of Philadelphia. They have held this premier position for over fifty years—a distinction which is we think unique in the annals of the cut flower trade in America. The present partners are sons of the founders. Many of the great present florists of other cities (such for instance as Philip Breitmeyer of Detroit) had their early training here, so that the influence of this young-old house can be seen to have been particularly far-reaching and beneficent.

S. S. PENNOCK-MEEHAN CO.: Wholesale florists of Philadelphia, with their other two establishments, in New York and Washington, we think do the largest business of its kind in the country. The steadfast stand for strict justice and square dealing which has always been the keynote has had its moral effect on the business in general, and, although silent has been no less potent in influencing others to try to reach the highest level of sincerity. They have been and are now, a potent influence for good in the business—clean, brainy, progressive.

ROBERT CRAIG CO.: One might think that it was an impossibility to say anything new about the Craig place—which is so universally known

PENNOCK BROS.

**Retail Orders Filled and
Promptly Delivered**

1514 CHESTNUT STREET

Philadelphia, Pa.

BUYER AS WELL AS SELLER

Much is heard of how to sell goods—the buyer seems to be taken for granted. On the contrary, we think the buyer entitled to equal consideration. Well bought is half sold. We aim to be the faithful servant of both buyer and seller. Equal justice to both is our motto. Send your orders or consignments to us and judge.

BERGER BROS.,

Wholesale Florists

140-142 North 13th St.

PHILADELPHIA

Intended for All Cut Flower Buyers Within Reach of the Philadelphia Market

It is continuous uniform good service that counts. We give you the Best that is in us, in every transaction. If we fail, it's because we are human like you are, or conditions are beyond our control. Our average for "making good" however is topnotch.

We please most all that give us the opportunity.

The kind of services we render during a season, must appeal to you, and will surely merit your complete confidence.

As to our square dealings, and sincerity of purpose, we point with pardonable pride to our business record of the past ten years or more.

Results speak louder than words.

And we assure you there is no slackening in our push and energy. *Our facilities are nearly perfect, the most modern in this country, and our supply of cut flowers larger and better each season.* With these facts in view it seems imperative that you should investigate, or establish closer business relations with us.

THE LEO NIESSEN CO.

Niessen Building

: : : : :

PHILADELPHIA, PA.

as one of the foremost plant emporiums of the country—but the place, like its founder, Robert Craig, has a personality and youthfulness about it which is so refreshing that no matter how often you go there or how often you write about it there seems to be a rebirth in your outlook each succeeding year. The reason for this is probably because Robert and his boys stay young and in touch with the world. Confucius tells us that the only wise man and the only happy man is he who retains to the end the heart of a child. Robert Craig and his boys have that happy faculty to an eminent degree. It is therefore a delight to a visitor to take a run through their wonderful expanses of all that is latest and best in foliage plants and flowering plants for the holidays. I forget how many thousands of crotons, but they looked to me more like millions. There's no doubt about it, Craig is "the croton king." The croton with its highly colored foliage is simply indispensable to the up-to-date florist during fall and winter and Craig can be "caught with the goods" all the year round. Another great specialty here is the cyclamen which has been a Craig specialty for twenty years. I can remember back in the early days when he was ransacking the world for good cyclamen seed. And now, with selection and reselection and constant vigilance, we really have at Craig's a race of jewels. We even have here the Kleinheinz Giant White—the most magnificent thing in cyclamens I have ever seen and I date from the old David Allen glories at Boston (1884 to 1894), the first and one of the greatest of our American cyclamen growers.



"BILL JUNIOR."

Son of William P. Craig of Philadelphia.

H. BAYERSDORFER & CO.: No convention would be complete without the familiar exhibit of this long-established firm of dealers in florists' supplies. They have been leaders in that important line since the beginning and have done much to keep Philadelphia in the forefront. Their exhibit at Chicago will be one of the best they have ever shown and will certainly be a revelation to many florists who have never before visited a convention. One

of the most striking novelties will be a line of artistic baskets finished with their new electric brush. This gives an effect unattainable by other means: graceful, artistic shadings that no hand brush could ever imitate. The electric brush is an aerating device and blows the colors instead of contact application. Another line that will create much interest is bisque ware in red, white, green and brown comprising statuettes of brownies, imps and other allegorical subjects. The Bayersdorfer line of gun metal vases is charming, effective and very artistic, the models followed being the best styles of Pompeian, Etruscan and Grecian. We are not easily enthused on the Christmas wreath proposition, but Bayersdorfer certainly has a new wonder in a green static foundation dotted with scarlet ammobium. The ammobium looks a little like a red immortelle, but is far more graceful. We could tell about other things, but we refrain and mention these only to whet your appetite for the great exhibit. Welcome to visitors at Chicago will be extended by Messrs. Sidney and I. M. Bayersdorfer, Martin Reukauf, and S. D. Green.

INCORPORATED.

Bedford City, Va.—Flat Top Orchards, Inc., capital stock \$50,000. President, H. H. Hall; vice-president, R. L. Sale; secretary and treasurer, Nelson Sale.

The "Double Claw" Hammer advertised in this paper is a very ingenious and useful implement which everybody will want. Send to them for description of what it will do.

CRAIG QUALITY CROTONS

ARE BEST KNOWN AND KNOWN TO BE BEST

The above slogan could also apply to the many other Craig specialties. We are making new customers very fast and, with our increased glass area, we are in a position to take good care of you. Eventually you will handle Craig Quality Stock. Why not now? Our many customers advertise our stock and our stock advertises us.

Our Convention Exhibit of Craig Quality Stock will far exceed anything in the past, and that's going some. We hope to meet many of our friends in Chicago. We will be represented in the trade exhibition hall by Messrs. W. P. Craig, Duncan Macaw and C. Van der Preggin who will be happy to show you the finest exhibit of

FANCY CROTONS, IN MANY VARIETIES

Cyclamen	Phoenix Roebelenii
Begonia Lorraine	Dracaena Terminalis
Begonia Cincinnati	Dracaena Massangeana
Genistas	Dracaena Lord Woolsley
Ficus Pandurata	Dracaena Fragrans
Areca Lutescens	Dracaena Bronze Beauty
Pandanus Veitchii	Dracaena Mandaiana
Nephrolepis in Variety, etc., etc.	

Pot Grown Roses: Christmas and Easter Specialties

We extend a cordial invitation to all members of the S. A. F. & O. H. to stop off in Philadelphia either going to or returning from Chicago. We will be pleased to show you our stock at both Philadelphia and Norwood.

Take car marked 69th and Market Sts. or train on the Penna. R. R. to Norwood Station.

ROBERT CRAIG CO.

49th and Market Sts., Philadelphia, Pa.

Branch: Norwood, Pa.

SWEET PEAS IN 1912

(Notes from Burpee's Trial Grounds at Fordhook, by George W. Kerr.)

This must certainly be termed a sweet pea year, at least so far as this section is concerned. We have had sweet peas in flower from early May and even in spite of the extreme heat and drought experienced during the early part of July, the vines are still flowering freely; this being, no doubt, due to the moisture and rather cool weather which has prevailed for the last two weeks or so.

The first varieties to flower with us were our new seedling early or winter-flowering Spencers. I have been working on this new type for the past few years, and now have them in practically all the colors found in the Spencer section. It may be of interest to sweet pea growers to know that the seed-bearing parents of these new early-flowering Spencers were the original winter-flowering Grandifloras, namely, Burpee's Earliest of All (the original Christmas Pink), Earliest White, Burpee's Re-Selected Earliest of All and Earliest-Sunbeams.

Had it not been that I had a slight knowledge of Mendel's laws, I am afraid that I would not yet have had this interesting, and I trust valuable, new race of sweet peas, as in the first generation the seedlings were anything but promising. However, the full history with dates, parentage, etc., will make a story of its own at some future time.

Coming back to the regular type of Spencers, among the many novelties tried this year (150 or more) there were certainly some distinct breaks in color and in fact more really good things than are generally introduced in one season; this being, doubtless, due to the increased interest now taken in this beautiful annual. Among those that were particularly striking might be mentioned Afterglow, Dorothy and Prince George (the color combinations in these varieties being quite distinct to anything hitherto seen in sweet peas), and with Charles Foster sent out by the same raiser last year, might be termed pastel shade varieties. I observe that the National Sweet Pea Society of England have classified them among the Fancies.

Edith Taylor was decidedly one of, if not the gem of this season's introductions. The flowers are of immense size, the color a distinct shade of rose. Frances Deal, color rosy heliotrope, quite distinct from all others of this shade. Barbara is somewhat in the way of Earl Spencer but a more pleasing shade of salmon and a much larger flower—Melba being practically synonymous. Both are strong growers and will certainly be wanted by those who like this color. The improved strain of Thomas Stevenson (this being the variety that was reserved for the silver medal by the English Society last year) is without exception a glorious variety, the color being a glowing orange scarlet. Of the true scarlet varieties—and there were quite a number of them introduced this season—Scarlet Emperor and Vermillion Brilliant (the North American Cup

winner at last year's National Show) are in my opinion the best.

R. F. Felton seems to have done well everywhere. In our trials it was extremely striking. It is a thrifty grower, practically every stem carrying four immense flowers of a rich lavender color.

The variety Loyalty appeared under various names, one being Bertie Usher, another George Curzon. It is, however, a very striking flower, the color being white with distinct violet-blue flakes. In deep blues, Blue Jacket seems to lead the way, the color being practically synonymous with the Grandiflora variety Brilliant Blue.

May Campbell, one of last year's

certificated varieties, is most distinct and very dainty, the ground color being cream with delicate markings of carmine.

I was specially struck with Lady Evelyn Eyre. Although it approaches some older varieties in coloring it seems to eclipse them in size. It is a beautiful pale pink slightly flushed salmon, somewhat in the way of Florence Morse Spencer. Hercules, a variety sent out in 1911, is certainly going to eclipse the original variety of this class—Countess Spencer; although of practically the same color it is such a decided advance on Countess in size and vigor of blooming, that I may safely predict that within two



BURPEE'S NEW WINTER FLOWERING SWEET PEA.

BURPEE

Again and again in America and abroad has the superior quality of the Burpee Sweet Peas been demonstrated in strenuous competition

===== THIS YEAR'S RECORD INCLUDES: =====

The Gold Medal **The Silver Medal**
for the most meritorious and for the finest collection
exhibit (125 varieties)

**At the American Sweet Pea Society's
Exhibition at Boston**

The Gold Medal **Four Certificates**
for the best exhibit of and for novelties offering
Sweet Peas highest advancement

At the Asbury Park Show

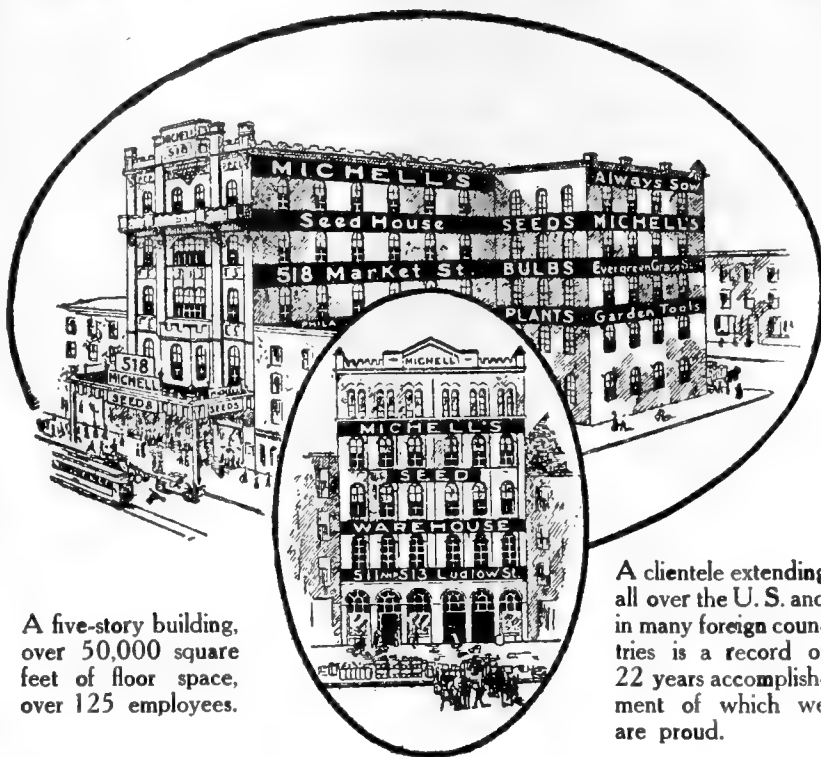
The super-eminence which these conspicuous honors attest is the culmination of many years of assiduous effort in Sweet Pea development.

We have 150 acres of Sweet Peas growing at Lompoc, Calif., alone, under the management of Edwin Lonsdale, but will not be ready to quote prices until the seed is actually harvested and sacked — about the middle of September. Please make your application now and all prices and information will be given as soon as possible.

W. ATLEE BURPEE & Co.
PHILADELPHIA, PA.

MENTION HORTICULTURE

AT MICHELL'S



A five-story building,
over 50,000 square
feet of floor space,
over 125 employees.

A florist or anyone
else inclined horticulturally
can get most
anything in

**SEEDS
BULBS
SUNDRIES
Etc.**

A clientele extending
all over the U. S. and
in many foreign countries
is a record of
22 years accomplishment
of which we
are proud.

and in the best of
its kind.

Our flower seeds are fast making a better reputation for us than we thought it possible for a business house to attain. Let us fill that next order of yours.

**Meet Mr. FRED'K J. MICHELL and his corps of Assistants
AT THE CONVENTION**

Wholesale Price List and Catalog of Bulbs ready now

MICHELL'S SEED HOUSE
518 Market Street, Philadelphia

or three years it will completely supersede the one time favorite.

Other varieties which pleased me were Irish Belle, rosy lilac; Mrs. Cuthbertson, pink and white bi-color; Margaret Madison, pale blue; and Mrs. Warren, which might be described as a Helen Pierce Spencer.

There were quite a number of white self-novelties, but the only one which appears to be an advance on White Spencer is the new King White, which by the way was certificated this year by the English National Society. It is a pure white of great size and substance and quite eclipses anything I have seen in this way. It will not, however, I believe, be introduced until 1914.

Orchid, a novelty for next season, is of exceptional merit. It is a lovely shade of lilac mauve, an early and

continuous bloomer, and practically every flower stem contains four flowers of immense size. This variety was certificated at the Sweet Pea Show held under the auspices of the Elberon Horticultural Society at Asbury Park in July.

Decorator has been certificate both in England and America this season, and is another novelty for 1912. The color is a distinct shade of rose, but under artificial light is a brilliant scarlet. It might be termed Rose du Barri in Spencer form.

We tried several bush varieties, English introductions of this season, but they were anything but promising, and no improvement on the bush varieties grown in America a few years ago but now discarded for sometime.

The above notes are written from memory, without having the oppor-

tunity to look over my notes; therefore, doubtless, many deserving varieties may be omitted.

East Orange, N. J.—Joseph A. Manda is adding three new houses to his equipment—one 18 x 78, one 14 x 125 and one 8 x 30. These are for orchid growing, as are all his original range, the only other plant under culture here being the aspidistra, which thrives under the bench where nothing else would prosper and helps to fill out the aim that not a single foot of available space be allowed to stand idle and unproductive.

On a recent visit to Mr. Manda we saw nearly 7,000 Cattleya Dowiana, the amount received in two importations. In a recent importation of Cattleya Gaskelliana, nine white flowered plants were found and they are beauties.

PHILADELPHIA NOTES.

Edward Reid left on his annual Southern trip July 24th. Expected home again about August 15th.

M. Rice & Co. promise the trade some startling innovations in the combining of colors in flower baskets, vases, pot covers, etc. They will show them for the first time at the S. A. F. convention.

Damage by hail storm Aug. 5 is reported by Robert Scott & Son, Sharon Hill; and Alfred M. Campbell, Collingdale. The amounts are not stated but we understand both are insured in the Hail Association.

The new Dickson roses for next spring are Mrs. Forde (a pink Cusin but larger) and Fire Flame. These seem to have a distinct place waiting for them in the rose world and further particulars are awaited with interest.

The Craig forces at Chicago convention will be strengthened this year by the addition of Cornelius Van, an experienced man, travelled, trained, a good grower, a good salesman, speaks the truth in five languages. What more do you want—when all that is backed up by Craig quality?

John Walsh has been appointed on the Pennsylvania territory as outside man for H. Bayersdorfer & Co. We wish to bespeak for the youngster cordial greetings and good orders from the retail florists of Pennsylvania. Mr. Walsh has been thoroughly trained inside the Bayersdorfer warehouses, and knows his business.

Duncan Macaw has made a good record for himself as foreman for the Robert Craig Co. He is not only one of the most popular men who have ever held that position but he bids fair to become a producing factor on his own account in time, as he has in conjunction with his brother, Thompson Macaw, built a range of glass at Norwood where he is growing carnations, gardenias and ferns for the wholesale market.

Charles Sim had an interesting experience on his return voyage from Europe (July 27-Aug. 5) by foregathering with Alexander Forbes, manager of the great house of Peter Henderson & Co. It turned out that the two of them were born and brought up within ten miles of each other in Scotland; both about same age; both came to America nearly together; and both have made a splendid success on this side in the same line of business; and neither of them ever heard of the other before. There must have been some swapping of yarns and well, wells, on the breezy poop-deck of that Atlantic liner.

Visitors: Phil Breitmeyer, Detroit, Mich.; Theodore Edwards, Bridgeton, N. J.; Frank H. Clement, Hempstead, N. Y.; Thos. Roland, Nahant, Mass.; Geo. F. Boucher, Rochester, N. Y.

FIRE RECORD.

Salina, Mont.—Edward Tatro, florist, suffered the loss of his garage and one greenhouse by fire on August 3. Loss covered by insurance.

Fairmont, Minn.—A new storage and packing building owned by B. E. St. John, nurseryman, was completely destroyed by fire recently; loss about \$2,000.

PANSIES



S. & W.
Co.'s
Famous
Named
Giants

	Trade pkt.	¼ oz.	Oz.
ADONIS. Beautiful light blue.....	\$0.20	\$0.50	\$1.50
AZURE BLUE.....	.20	.75	2.00
EMPEROR WILLIAM. Deep blue, purple eye.....	.20	.75	2.50
FIRE KING. Beautiful reddish yellow, brown center.....	.20	1.25	4.00
FAUST. Black.....	.20	.75	2.00
LORD BEACONSFIELD. Deep purple, violet edged light blue.....	.20	.75	2.50
MASTERPIECE.....	.25	1.50	5.00
PRESIDENT CARNOT. White, each petal adorned with a deep violet blotch.....	.25	1.75	6.00
PURPLE. A very striking shade of purple.....	.20	.50	1.50
SNOWFLAKE. Pure white.....	.20	.75	2.50
WHITE. With dark eye.....	.20	.75	2.00
YELLOW. Pure.....	.20	1.25	4.00
YELLOW. With dark eye.....	.20	1.00	3.00
S. & W. CO.'S FAMOUS NAMED GIANTS, MIXED. Taken from the above named varieties.....	.10	.65	2.00

S. & W. CO.'S FAMOUS "NON PLUS ULTRA" PANSY

It is impossible to conceive of a better strain of Pansies. For years we have supplied this strain of Giant Flowering Pansies to the Park Departments and Leading Florists of many cities. The Mixture is not only evenly proportioned, but is positively selected from the choicest blooms. Size and vigor, as well as profuse blooming qualities, have been the fundamental principle of selection. Trade packet, 25c.; ¼ oz., \$1.50; oz., \$5.00.

	Trade pkt.	¼ oz.	Oz.
ENGLISH. Fine Mixed, Giant flowering sorts.....	\$0.10	\$0.35	\$1.00

NEW CROP CYCLAMEN SEED

S. & W. Co's. Giant Strain

Flowers of extraordinary size and of great substance. The leaves are proportionately large and beautifully marked.

	100 Seeds	1000 Seeds
S. & W. CO.'S GIANT, Salmon Red	\$1.25	\$10.00
" " " Rose	1.00	7.00
" " " Pure White	1.00	7.00
" " " Dark Red	1.00	7.00
" " " Lilac	1.00	7.00
" " " Cattleya Purple	1.00	8.00
" " " Rose Salmon	1.25	10.00
" " " Pale Rose	1.00	7.00
" " " White (Red Eye)	1.00	7.00
" " " Light Red	1.00	7.00
" " " White (Striped Violet)	1.00	7.00
" " " Prize Mixed .....	.75	6.50
" " " VICTORIA. Beautiful, Fringed White and Rose Flowers	1.25	10.00

Stumpp & Walter Co. 50 Barclay St.
NEW YORK

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Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. J. Dysart, 28 State St., Boston.
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AQUATICS

To Close for Cleaning Pool, 20% for Cash With Order.

Water hyacinths, the oddest, most beautiful and valuable plants; extra strong, in the finest condition; \$5.00—100, \$35.00—1000; second grade, \$3.00—100, \$18.00—1000. Blooming water hyacinths make leaders at 25c. retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

ARACARIAS.

Godfrey Aschmann, Philadelphia, Pa.
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ASPARAGUS

Frank Oechslin, Chicago, Ill.
Asparagus Plumosus.

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B. Soltan Fernery, Jersey City, N. J.
Asparagus Plumosus Nanus.

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Asparagus plumosus, 2½ in. pots, at \$4.00 per 100. Ruxton Floral and Nursery Co., Ruxton, Md.

AZALEAS

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Bobblink & Atkins, Rutherford, N. J.
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Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS.

A. N. Pierson, Inc., Cromwell, Conn.
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BIRD HOUSES.

Stumpp & Walter Co., New York, N. Y.

BEGONIAS

Begonia Lorraine, \$12.00 per 100; \$50.00 per 500. Julius Roehrs Co., Rutherford, N. J.

BOXWOOD TREES

Bobblink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees, all sizes. Ask for special list.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOXES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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Weeber & Don, New York, N. Y.
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P. H. Goodsell, New York, N. Y.
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Bulbs of all descriptions. Write for prices.
C. Keur & Sons, Hillegom, Holland.
New York Branch, 31-33 Broadway.

CAPE JASMINE

Cape Jasmine, fine cuttings, 8 inch and over, ready for rooting; 100 \$1.00, 1000 \$8.00, prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

Charles H. Totty, Madison, N. J.
Field-Grown Carnations.

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F. E. Palmer, Brookline, Mass.
Field-Grown Carnations.

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F. Dornier & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.
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Field-grown Carnations, Enchantress, Victory, White Perfection, 6 cents. Cash. Archbold Greenhouse, Archbold, Ohio.

FIELD-GROWN CARNATION PLANTS.
Enchantress, \$50.00 1000, \$80.00 100
Lawson, 5.00 100, 5.00 100
Winona, 6.00 100, 6.00 100
Winsor, 6.00 100, 6.00 100

This is clean, healthy and sticky stuff, grown on clean soil and ready to be shipped. This stock will please. Cash.
Freeport Floral Co., Box 306, Freeport, Ill.

Carnations, heavy stock: 5000 R. P. Enchantress, 5000 W. Enchantress, 2000 Pale-pink Enchantress, 3000 O. P. Bassett, red, 1000 Sangamo, 500 Afterglow, 3000 Victory, red, \$7.00 per 100, \$60.00 per 1000; 250 at 1000 rate. Satisfaction guaranteed. Cash please. C. L. Van Meter, Monticello, Iowa.

CARNATIONS—Continued

20,000 strong, healthy, field-grown carnation plants; they average now 8 to 15 shoots and some as high as 20. Cash with order. Victory, O. P. Bassett, Carnegie, Harlowarden, Roosevelt, Lawson-Enchantress, White Enchantress, R. P. Enchantress, White Perfection, Lady Bountiful, Lawson, \$6.50 per 100. Washington, Dorothy Gordon, \$7.50 per 100. E. Friederichsen's Sons, Wilton Jct., Iowa.

CELERY PLANTS

Strong transplanted Giant Pascal, Giant Golden Heart, Winter Queen, 25c. per 100; \$2.00 per 1000. Bryn Mawr Florist Co., Yonkers, N. Y.

CHRYSANTHEMUMS

R. J. Irwin, New York, N. Y.
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CHRYSANTHEMUMS (Rooted Cuttings).
500 Smith's Advance, \$2.50 per 100, 500 each Touset, Ivory, Donatella, Yellow Jones, 2500 Robt. Halliday, Mrs. Hurley and Baby, 8000 J. Rosette, \$15.00 per 1000. Cash with order.

William Swayne, Kennett Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANTHEMUM, THE. By A. Herrington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 160 pages. Price 50 cents.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
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Cyclamens, 3-inch pots, \$10.00 per 100; \$80.00 per 1000. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS

R. Vincent, Jr., & Sons Co., White Marsh, Md.
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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Export, North Dighton, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.
Wizard Brand Cattle Manure.
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Hardwood ashes, best fertilizer on earth
for lawns and gardens. George Stevens,
Peterborough, Ont., Canada.

DOUBLE FARM CROPS. By restoring
soil fertility with Shell-Marl Land-Lime,
Wood Ashes Substitute, Ground Phosphate
Rock, Basic Slag. Endorsed, recommended
and used by experiment stations and lead-
ing farmers. Best results by applying in
the fall. Send for catalogue. Vermont
Marl Company, Brattleboro, Vermont.

FERNS

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Choice Ferns.
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B. Soltau Fernery, Jersey City, N. J.
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Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.

Boston Ferns, fine stock, for 6 in., 25c;
for 4 in., 12c. Orders booked now for Bos-
ton and Whitman, young, \$20.00 per 100.
Cash. A. E. Monroe, Wellesley Farms,
Mass.

Adiantum cuneatum, 4 in., \$8.00 per 100.
Wm. Capstick, Auburndale, Mass.

FLORISTS' ENCYCLOPEDIA FREE

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46 W. 26th St., New York.

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Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

GLADIOLUS

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Special Gladioli.

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Peerless Glazing Point.

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GODFREY CALLAS

Patten & Co., Tewksbury, Mass.
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GOLD FISH

Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish foods, nets, etc.,
wholesale. Franklin Barrett, breeder, 4815
D St., Philadelphia, Pa. Large breeding
pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
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Apline and "Squito-Rid."

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Kentucky Tobacco Product Co.,
Louisville, Ky.
Nico-Fume.

IRON GUTTER.

Metropolitan Material Co., Brooklyn, N. Y.
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IVIES

English Ivy, strong, at \$8.00 and \$12.00
per 100. C. Winterlich, Defiance, O.

JAPANESE LILIES

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Horse Shoe Brand.
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MARGUERITES

Unrooted Alexandra marguerites, \$1.00 per
100. Winter flowering yellow marguerites,
the right kind; unrooted, \$2.00 per 100;
rooted, \$4.00 per 100. Cash. A. E. Monroe,
Wellesley Farms, Mass.

MASTICA.

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Fairfield Landscape & Nursery Co.,
New York, N. Y.
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NURSERY STOCK—Continued

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

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Julius Roehrs Co., Rutherford, N. J.
Hybrid Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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John De Buck, New York, N. Y.
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Orchid Plants, fresh importations, best
commercial varieties, reasonable price.
John De Buck, care of Maltus & Ware, 14
Stone St., New York City.

ORCHID GROWERS' MANUAL.

By B. S. Williams, 300 illustrations, 800
pages; descriptions of upwards of 2500
species and varieties of orchidaceous plants,
etc. The most complete work on Orchids
and Orchid Culture ever published. Price
\$10.00.

Orders filled by HORTICULTURE, 11
Hamilton Place, Boston.

**PAINTS, GLAZING, PUTTY, GREEN-
HOUSE WHITE**

Hammonds' Paint & Slug Shot Works,
Fishkill-on-Hudson, N. Y.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries,
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Joseph Heacock, Wyncote, Pa.
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Loechner & Co., New York, N. Y.
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

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PEONIES.

S. G. Harris, Tarrytown, N. Y.
Peony Roots.

Peonies. The world's greatest collection,
1200 sorts. Send for list. C. Betscher
Canal Dover, O.

Peonies—The best French collections.
Catalogues free. Dessert, Peony Specialist,
Chenonceaux, France.

PLANT AND BULB IMPORTS.

August Rolker & Sons, New York, N. Y.
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PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

Plant Trellises and Stakes. P. A. Angler
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PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

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POINSETTIAS

A Henderson & Co., Chicago, Ill.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

POULTRY AND FARM REVIEW

The Rex Company, Harrisburg, Pa.
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PRIMULAS

Primula, obconica and chinensis. Strong
bushy plants, will make grand stock for
the holiday trade. This is our royal mix-
ture of gigantea and grandiflora, none bet-
ter, 2½ in., \$3.00 per 100. Cash. Freeport
Floral Co., Box 306, Freeport, Ill.

Primula malacoides, 4 in. pots, at \$8.00
per 100; 2½ in. pots, at \$4.00 per 100.
Primula obconica (best strain), 4 in. pots,
at \$3.00 per 100. Ruxton Floral and Nur-
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Wood Bros., Fishkill, N. Y.
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400 Radiance Roses, 4 in. pots, at \$10.00
per 100. 200 Golden Gate, 4 in. pots, at
\$8.00 per 100. Ruxton Floral and Nursery
Co., Ruxton, Md.

ROTTED PEAT AND SPHAGNUM MOSS.

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Asparagus Plumosus Nanus seeds now
ready, per 1000, \$2.25; lots up to 5000, \$2.00
per 1000. Peter Mack, Box 172, Orlando,
Fla.

SMILAX

Smilax, strong stock, will make runners
at once, 2½ in., \$2.00 per 100. Cash. Free-
port Floral Co., Box 306, Freeport, Ill.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Harrell, Summit, N. J.

STEVIA

Stevia, 2½ in., strong stock, \$2.00 per 100.
Cash. Freeport Floral Co., Box 306, Free-
port, Ill.

STOVE PLANTS

Orchids—Largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

STRAWBERRY PLANTS

P. H. Goodsell, New York, N. Y.
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Fall Bearing Strawberry Plants, best
varieties. Catalogue free. Basil Perry,
Cool Spring, Delaware.

SWAINSONA

Swainsona alba, strong 2½ in. stock,
\$3.00 per 100. Cash. Freeport Floral Co.,
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Wirework. Write for our catalogue.
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**Do You Know What
You Want?**

Look in the "Buyers'
Directory" of this issue
and you will probably
find represented there
somebody who can
supply you. It's a good
plan to look it over
every week, for the
weekly changes and
additions are many.

See ?

In writing to Advertisers kindly mention Horticulture

NEW OFFERS IN THIS ISSUE

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THE PROPOSED W. R. SMITH MEMORIAL.

Washington is keenly interested in and will undoubtedly liberally support the project to establish at the capital some form of a memorial to William Robertson Smith, late superintendent of the National Botanic Garden, which is now being urged by the florists of the country through their national organization. It is evident from expressions that have been made since Mr. Smith's death that he was held in the highest esteem by the horticulturists of America, not merely for his personal qualities but for the importance of his work in promoting the study and care and love of the growths of nature. The suggestion of a memorial has come spontaneously, and there is evidence that it will be given practical form at the meeting of the Society of American Florists and Ornamental Horticulturists at Chicago the 20th of this month. Already tentative proposals have been made for the particular form the memorial is to take, one of which, it is gratifying to observe, is for a practical establishment that will be of continued benefit to a great number of people throughout the years to come. William R. Smith was so thoroughly identified with official Washington that it is necessarily recognized that any creation or memorial institution in his name should be located in this city. Nevertheless he had become a national quantity, and now that he has passed away the sentiment for perpetuating his memory is country wide. There can be no question of the success of this project, undertaken in such a spirit.—*Washington Star.*

CHICAGO NOTES.

V. A. Kohout and F. Merker opened a retail store at 1702 Chicago Ave., Aug. 10.

E. B. Washburn will leave shortly for California where he will make a home in the milder climate.

Mrs. Jas. G. Hancock and daughter are at Lake Geneva, Wis., getting a few days rest before the convention.

Fleischman Floral Co. is building a 32 foot ice box and putting in a machine for manufacturing their own ice.

Mr. and Mrs. August Poehlmann and Mr. and Mrs. Adolph Poehlmann and families have returned from Lauderdale Lake, Wis.

Frank Oechslin is building a bulb cellar 22 by 115 feet, with cement foundation and cinder walls. Aside from his regular bulbous stock, he is trying out many novelties this year, especially in tulips.

Mrs. C. L. Washburn entertained the ladies' introductory committee whose business it is to make arrangements for the L. S. A. F. at her home in Hinsdale, Friday. After the business was disposed of, an automobile ride and refreshments pleasantly occupied the remainder of the afternoon.

Visitors: C. B. Knickman, representing McHutchison & Co., New York. R. Karlstrom, representing W. A. Manda, South Orange, N. J.

Winchester, Mass.—Mrs. George Milne has again taken possession of the greenhouses at 44 Lincoln street, formerly conducted by her husband, the late George Milne.

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HELP WANTED.

WANTED—Men to sell seeds to farmers and ornamental stock in towns; apply at once. "H. S." care HORTICULTURE.

ROSE and CARNATION GROWERS, for new range. Give wages expected, experience and references in first letter. "W. F." care HORTICULTURE.

YOUNG FLORIST with experience growing bedding plants, mums and Easter stock. Chance to advance for right man. Give salary and references. "M. D." care HORTICULTURE.

FERTILIZER AGENTS WANTED—To handle Shell-Marl Land-Lime and other materials. Exclusive agency, liberal commission. Vermont Marl Co., Brattleboro, Vt.

SITUATIONS WANTED

FLORIST, an able young man with four years' experience in cut flowers and plants, wants a position as a first-class assistant florist. "W. R." care HORTICULTURE.

FOREMAN, experienced in all branches of private and commercial gardening. Married, no children. Best references. "S. C." care HORTICULTURE.

GARDENER on private place. Good all round experience under glass and outside. Understands road making, planting shrubs, perennials, etc. Single. Best references. "O. H." care HORTICULTURE.

WANTED—Position in charge of place, private or commercial. Experienced and competent in indoor or outdoor departments. THOMAS PEGLER, 227 Norfolk street, Wollaston, Mass.

FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE—In Walpole. Flower and Vegetable Greenhouse Plant with buildings; hot water heat; 2 acres good soil; 3/4 mile from town on corner; cars pass door. A bargain at \$1400, half cash. Good reason for selling. W. MAY, Walpole, Mass.

GREENHOUSE property for sale. Woodlawn Ave., Everett, Mass., belonging to Wm. Christie, Florist. Three houses—2, 20 x 100, 1, 12 x 40; dwelling house, stock, etc., included; 52,428 feet of land. Call on premises.

FOR SALE—200 second-hand hothed sashes, cheap. "H. P." care HORTICULTURE.

FOR RENT

FOR RENT, low, with privilege of purchase, seven greenhouses in fine condition, with good piece of land planted with carnations, etc. All in order for immediate occupancy. A great opportunity. Charles Millang, 55-57 West 26th St., New York.

J. Henry, manager of the business, who is at present traveling in the west and by six daughters. Grandsons and nephews were the honorary pallbearers.

John Craig.

Professor John Craig, one of the leading horticulturists of the United States, head of the Department of Horticulture in the New York State College of Agriculture, Ithaca, N. Y., died on August 12, aged 48 years. He was also editor of the "National Nurseryman" and author of several scientific works. He contributed to various agricultural and horticultural publications and was often called upon to act as judge of horticultural displays. He was born in Canada and before going to Ithaca had been professor of horticulture at the Iowa State College. Among the honors bestowed upon him was a fellowship in the Royal Horticultural Society, secretaryship of the American Pomological Society and a position on the advisory board of the American Civic League.

Obituary.

Fred W. Hoppe.

Fred W. Hoppe, florist, of Middle Village, N. Y., died last week, age 40 years.

Frank E. Roberts.

The funeral of Frank E. Roberts, proprietor of the Portsmouth Flower Store, Portsmouth, N. H., was held on August 11, at 2.30 o'clock.

Charles Schlobohm.

On July 23, Charles Schlobohm, nurseryman and florist, of Englewood, N. J., died after an attack of apoplexy. He was born in Germany in 1865. His wife survives him.

G. W. Wright.

On July 28, George W. Wright, of the Acme Seed Co., Dayton, O., died at his home after an illness of about a year. He was 53 years of age and had spent his entire life in Dayton. His wife and four children survive him.

Frank L. Ingles.

Frank L. Ingles, florist, 138 Broadway, Bridgeton, N. J., died on July 30 after a few weeks' illness of typhoid. He began as a florist in the plant of Theodore Edwards and after mastering the profession entered business for himself. A few years ago he established a florist store and had built up a flourishing business. He was a young man of much promise and of high character. One child survives him.

Mrs. Mary A. Small.

Mrs. Mary A. Small, widow of the late John H. Small of Washington, D. C., founder of the firm of J. H. Small & Sons, passed away at her home at Fairhill, Brookland, D. C., at the age of 81. Mrs. Small was born in Georgetown, living in this section during her entire life. She is survived by two sons, Charles Albert of New York, who came to Washington to be with his mother in the last moments, and



Light-Strong-Flexible

An indestructible moulded hose for Lawn, Greenhouse, Stable, Garage. Of braided construction; cannot unwrap, kink or burst, like old-style wrapped duck construction. Made in continuous lengths up to 500 feet, which gives you any length you want and avoids leaky couplings.

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GREENHOUSES BUILDING OR CON- TEMPLATED.

Wyncote, Pa.—Fred Openshaw, one house.
Hamilton, Md.—C. Hochstedt, fern house.
Columbia, S. C.—Martin Stork, one house.
Ardmore, Pa.—James McCrea, house 18 x 50.
Gaffney, S. C.—Irene Mills, two houses.
Lafayette, Ind.—Frank Schilling, North Salisbury street, two vegetable houses.
Brook Hill, Va.—Miss E. Hope, house 18 x 33.
Fulton, Ill.—John E. Kirman, house 40 x 150.
Ashland, Mass.—Clark W. Brown, one house.
Logansport, Ind.—Longcliff Hospital, one house.
Wichita, Kan.—Frank Cluff, carnation house.
Kankakee, Ill.—Mrs. Chas. Schafer, one house.
Middle River, Md.—W. E. Milburn, one house.
Lexington, Ky.—Kelly & Current, violet house.
Alameda, Cal.—Y. Inouye, 2530 Glending avenue.
Towson, Md.—J. L. Wagner, rose house 42 x 150.
Boyetown, Pa.—Thomas J. Abram, house 28 x 150.
Columbus, Ohio.—J. L. Hamil, Bullitt Park, one house.
Washington, D. C.—Charles L. Corby, range of houses.
Atlanta, Ga.—Wachendorff Bros., house 20 x 140.

Chadd's Ford, Pa.—Mrs. A. S. House, house 25 x 100.
Laudenville, N. Y.—Hankes Bros., addition, 50 x 100.
Bridgeport, Conn.—E. Soules, Myrtle avenue, one house.
Richmond, Va.—John L. Ratcliffe & Co., house 25 x 100.
Lansdown, Pa.—Arlington Cemetery Co., house 25 x 100.
Cincinnati, Ohio.—F. E. Stienecker, Gray road, one house.
Independence, Mo.—S. Bryson Ayres Co., range of houses.
Lancaster, Ohio.—M. Meisse, three houses, each 30 x 225.
Augusta, Ga.—Stulb's Nursery, two houses, each 32 x 110.
Richardson Park, Del.—Thomas C. Hawke, house 20 x 100.
Dubois, Pa.—G. H. Jones, two houses, rebuilding three.
Bloomington, Ind.—Morris, the Florist, two houses, each 25 x 150.
Enosburg Falls, Vt.—J. H. Mears, Orchard street, house 21 x 60.
Florence, N. C.—Palmetto Nurseries, 22 Rose Block, house 20 x 70.
Baraboo, Wis.—E. T. Ross, Eighth and East streets, house 22 x 75.
Norwich, Conn.—E. J. Langenbach, Lafayette street, range of houses.
Hartford, Conn.—F. C. Welch, 188 Westland street, addition, 8 x 20.
Homer, N. Y.—J. J. Arnold, 29 Cayuga street, two houses, each 26 x 75.
Troy, N. Y.—W. H. Brown, Oakwood Cemetery road, house 35 x 150.
Oakland, Cal.—P. McDonell, 5186 Telegraph street, carnation house 25 x 200.
Minneapolis, Minn.—Park Greenhouses, Lyndale Farm, addition to cost \$8,000.

Waxahachie, Texas.—W. B. Forrest, Bird, Royal and Grace streets, one house.

Berkeley, Cal.—W. H. Wolters, 2906 Ellsworth street, one house on Shattuck avenue.

Allentown, Pa.—T. De Long, South Franklin street, range of houses on property recently purchased at Thirty-eighth street.

Trinidad, Colo.—Trinidad Central Park Co., greenhouse department, range of houses.

Oakland, Cal.—H. Hayashi & Co., Seventy-third avenue and Thomas street, one house.

Maywood, Ill.—Felsch Bros., Fifteenth avenue and Madison street, propagating house.

Rome, N. Y.—William T. Hughes, 138 River street, house 20 x 140, rebuilding two houses.

Winston Salem, N. C.—Mrs. R. J. Reynolds, 4 houses 25 x 33, one 26 x 42, propagating house and frames.

St. Paul, Minn.—William Swanson, 2300 West Seventh street, remodeling and additions. The Boardman Greenhouses, 1336 River Boulevard, two houses, each 27 x 125, one 30 x 125.

San Francisco, Cal.—Bids have been made for the erection of three greenhouses and a potting shed for the Panama-Pacific International Exposition. They are to be located on the Presidio reservation and will cover an entire block. These houses are for the purpose of propagating plants used in the exposition grounds. John McLaren, landscape engineer of the exposition, will have supervision.

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CATTLE MANURE

Pure, Dry, Safe and Reliable

The best of all manures for Roses. Clean, convenient and economical for top-dressing and mulching. Unequalled for potting soil.



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SHEEP MANURE

There is a reason why Wizard Brand Sheep Manure is more extensively used by Florists than any other:—Best for Carnations and Chrysanthemums—Best for making bench soil—liquid manuring—and field work. Ask for our Growers' Booklet and know why Wizard Brand leads

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LEMON OIL CO'S STANDARD'S INSECTICIDE

Guaranteed under the Insecticide Act, 1910. Serial No. 321

Save your plants and trees. Here is an insecticide that will positively destroy all insects—Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, etc. without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

$\frac{1}{2}$ Pint - - 25c; Pint - - 40c; Quart - - 75c
 $\frac{1}{2}$ Gallon, \$1.25; Gallon, \$2.00; 5 Gallon Can, \$9
 10 Gallon Can - - \$17.50

Dilute with water 30 to 50 parts

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct

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Directions on every package

FERTILENE

Especially prepared for the production of luscious CHRYSANTHEMUM BLOOMS.

THE ADVANTAGES of Fertylene over other manure, are: It is clean; has no offensive odor; is soluble and thus easily prepared; is immediate and permanent in its effect; so highly concentrated that it is the cheapest; saves time and labor and gives accurate results. 1 oz. is sufficient for ten gallons.

Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. Sample packets of one-half pound mailed for 30c. Sample packets of one pound mailed for 50c.

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Cocoanut Fibre Soil

Is being used more and more in the greenhouse and for covering lawns from September to frost. Keep it in stock, it is a seller.

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EVERGREEN BRAND Flower and Lawn FERTILIZER

Unrivalled for all floricultural and horticultural purposes.

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USED FROM OCEAN TO OCEAN FOR 29 YEARS!

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Saves Currants, Potatoes, Cabbage, Melons, Flowers, Trees and Shrubs from Insects. Put up in popular packages at popular prices. Write for free pamphlet on Bugs and Blights, etc., to B. HAMMOND, Fishkill-on-Hudson, New York.

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Effective one to thirty-two.

Single gallons, \$1.50

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can be shipped at an hour's notice. Price per crate:

2000 1 $\frac{1}{2}$ in. @ \$6.00	500 4 in. @ \$4.50
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"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.

New price list on application.

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SCALINE

This is the new oil and sulphur composition—a scalicide and fungicide combined—which supplies the crying demand from the East, West, North and South, for an insecticide that can be employed at all seasons of the year, for the destruction of the San Jose scale, Oyster Shell scale and all sap-sucking insects infesting trees, shrubbery and hardy stock.

It can be applied as safely in the growing as in the dormant season.

SCALINE is an excellent summer spray for the cottony scale, pine tree aphid, apple aphid, red spider, thrips and plant lice generally.

The sulphur contained in **SCALINE** makes it effective as a fungicide for various blights which affect hardy stock.

It is readily soluble in water, contains no sediment and can be sprayed through the finest spray nozzle.

\$1.50 per gallon, 10 gallons \$10.00, 50 gallons \$37.50



THE RECOGNIZED STANDARD INSECTICIDE

It is a concentrated liquid, its chief constituents being essential oils and nicotine, mixing readily with water at various strengths, as directions on can.

APHINE destroys green, black, white fly, thrips, red spider, mealy bug, white and brown scale and can be applied to the most delicate foliage—in fact, it invigorates plant life. It is an excellent cleanser for decorative stock.

APHINE is not a cure all, but a specific remedy for plant life, and enjoys a reputation as the insecticide that does excel all.

\$1.00 per quart, \$2.50 per gallon.

APHINE and FUNGINE are equally effective in the greenhouse and in the garden.

Our products are universally endorsed by commercial and private growers of reputation. We possess hundreds of endorsements, many of them published in the past, from eminent entomologists and expert floriculturists, but we have reached the conclusion that there is only one convincing way for you to become familiar with the merits of these products; and that way is, test them out yourself. It will prove worth your while.

VERMINE will shortly be placed on the market by us. It is a soil sterilizer and a germicide for destroying cut, wire, eel and canker worms, grubs, sow bugs and root aphid. This product has been successfully used for a number of years. We have secured the formula, and are now conducting experiments to test to our own satisfaction just what it is capable of.

SQUITO-RID The Mosquito Repellent. Effective for man and beast wherever this pest may be—indoors or outdoors. Sent direct, express charges prepaid, at the following prices: Quarter pint 70c., half pint \$1.00, pint \$1.50.

OUR PRODUCTS ARE THE BEST AND THIS EXPLAINS WHY THEY ARE NOT THE CHEAPEST

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THE FUNGICIDE OF MUCH MERIT

Its principal ingredient is sulphur in solution, so treated that it can be applied to the tender foliage without injurious effect. Used as a spraying material mixed with water.

FUNGINE is an infallible remedy for mildew, rust, wilt, spot and bench fungi affecting flowers, fruits and vegetables. It is used with much success by rose, carnation and chrysanthemum growers.

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EXTENDS THE GLAD HAND
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IF YOU WANT YOUR GREENHOUSE BENCHES TO
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You can easily make them yourselves. No expensive labor to hire—
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A good kind for every purpose. Don't order any other fertilizer without
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for cut flowers as thoroughly and practically as anything ever written on
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The best of all
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Green Flies and Black Flies Too are easy
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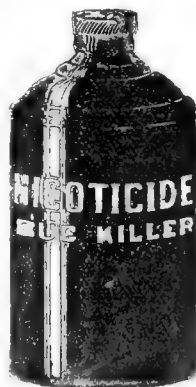
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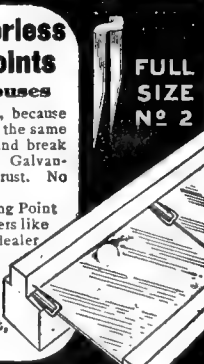
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3/4 inch, per ft., 15 c.
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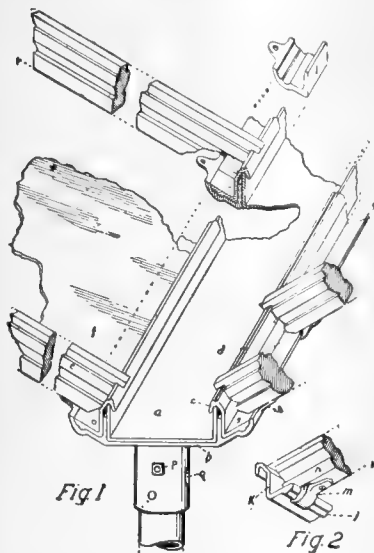
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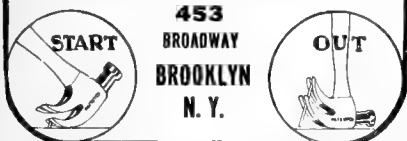
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Cheapest and handiest hammer ever made, when you consider what it will do. Costs three times more to make—but. At your dealer's or from us, delivery pre-paid.

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WE HAVE THE EQUIPMENT, ABILITY, EXPERIENCE AND INCLINATION TO GIVE YOU THE BEST OF SERVICE IN ANY KIND OF GREENHOUSE PROJECT.

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Remember that we absolutely guarantee our apparatus to give perfect satisfaction.

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Rethreaded, thoroughly overhauled, in random lengths, guaranteed free from splits or holes.

It will pay you to communicate with us.

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CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
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Greenhouse Materials FURNISHED AND ERECTED
IRON or WOOD SASH BARS

In all lengths up to 32 feet.
Milled to any detail furnished or furnish details and cut materials ready for erection.

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KROESCHELL JUMBO BOILER No. 18

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This boiler will carry 61,410 lineal ft. of 1 1/4-inch pipe, or 11 2-3 miles of 1 1/4-inch pipe IN ADDITION TO THE MAINS.

The weight of this giant is 30,000 pounds.

The dimensions are: Length 20 feet, 6 inches; width, 84 inches; height, 66 inches. Has: 5 8-inch flows; 6 8-inch returns.

KROESCHELL BOILER DURABLE

"In 1894 we bought one of your No. 12 boilers to take the place of four smaller boilers of another make. Your boiler has done the entire work to the highest satisfaction, SAVING LABOR and about ONE THIRD OF THE FUEL we used to burn before. We had that boiler up to 1906, that is 12 years, having no repairs on it whatever, except one set of flues we put in in 1900. Last fall we installed one of your No. 14 boilers, having enlarged our plant. It takes care of 35,000 sq. ft. of glass very easy. When firing we keep the ash door open only about one inch. We think your No. 14 boiler could carry 40,000 sq. ft. of glass.

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You must not fail to see our large exhibit showing everything for the greenhouse.

And don't forget to make a visit to our factories and become acquainted with
THE WAY THE MONINGER GREENHOUSES ARE MADE.

We are sure that this will be of interest to you. WE WANT TO KNOW YOU. Take Local North Western "L" at any station in loop and ride to Halsted Street Station. Then walk two blocks south and two west.

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Will not twist the shafting pipe. Three times the power of old style ell w arms. Sold only with Evans Challenge Machine

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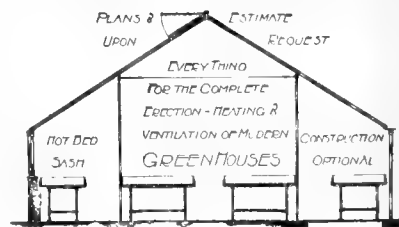
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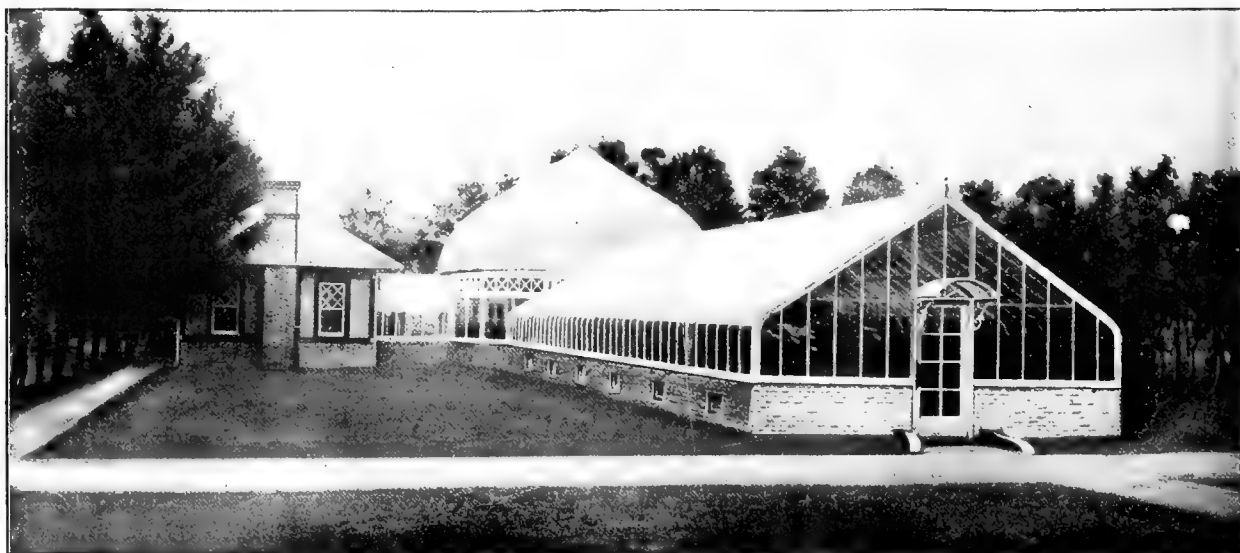
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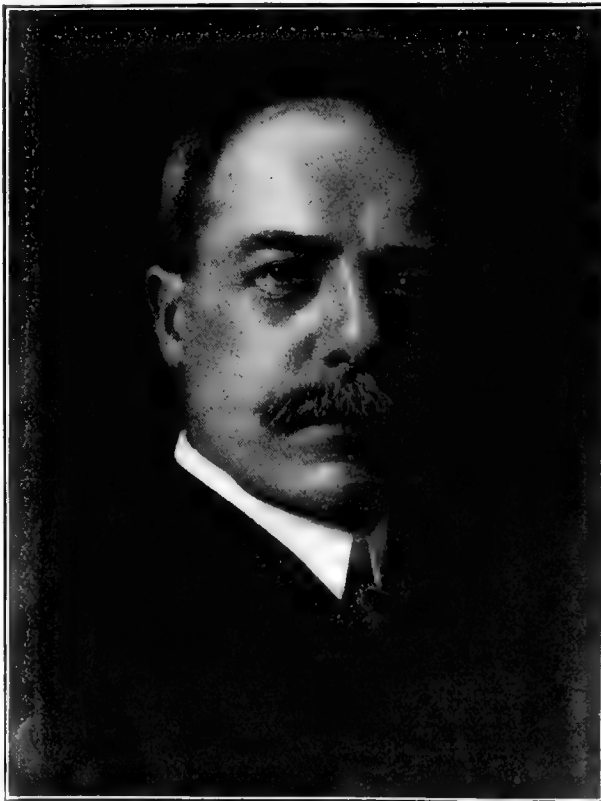
HORTICULTURE

Vol. XVI.

AUGUST 24, 1912

No. 8

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Cyclamen for Next Year

In order to have fine strong plants of this fine winter bloomer, seeds should be sown any time from now up to the middle of September. Do not be afraid to buy a good strain, even if they do cost a little more, for they will pay you in the end. To have this seed germinate well give them a proper mixture to grow in. They will come up fine in a compost of fibrous loam and leaf mold in equal parts, and enough of sand to make it gritty and porous, with good drainage of crocks. Fill your pans within half an inch of the top with very finely sifted compost, which should be about half an inch deep upon the other mixture. Scatter the seed evenly over the surface and press it down moderately firm. Cover with about a fourth of an inch of the fine mixture and place in a warm house. All pans should be covered with a pane of glass and kept well shaded until seeds show signs of germination, when they should have full light. See that they are kept nice and moist by sprayings whenever they may require it.

Begonia Lorraine

We are now coming to a season when these plants make their main growth, and they must not be neglected in any way from this out. They will require considerable attention in the way of staking and tying up; use only enough stakes to keep them up neatly and in such a way as to be inconspicuous as possible. Go over the plants often and give them room to spread and grow. They do better when set upon inverted pots; this allows them a better circulation of air and light and produces nice foliage from the pot up. Do not keep the house too deeply shaded, as they like plenty of indirect light from this out. Your earliest batch that are well established with plenty of roots should receive some liquid manure every week. Give great care as to watering so as to keep them in an even state of moisture, for a whole lot depends upon it. Keep the flowers picked as yet because they will be more salable from November until after Christmas.

Lilium Candidum

These bulbs will be arriving now. Procure bulbs that are grown in the north of France, as these have better foliage with flowers of broader petals, and with a stem that carries all the way from 8 to 12 flowers. Plant these bulbs as soon as you get them, as you will find both leaf and root growth have already begun. I think you will find 8 and 10-inch pots the best, using three and five bulbs to a pot. Of course a good many grow them in a six-inch pot. Prepare a good rich compost—say three parts of turfy loam and one part of well-decayed manure, and free drainage. When they are potted give them thorough soaking and then wait until they are tolerably dry before giving any more. You can plunge these pots anywhere outside until the severity of the frost has firmed the soil in the pots,

when they should be placed in some cold frame and given slight protection so the pots will not break.

Orchids

Give your phalaenopsis a moist and genial temperature by damping down and closing down the house early. Now that the nights begin to get cooler it will be advisable to have a little fire heat from this out, to keep the temperature from 65 to 70 degrees during the night. Where the shading is quite heavy it will be well to remove some of it, as they only need just enough to keep off the direct rays of the sun. Such species as *Phalaenopsis grandiflora*, *P. Schilleriana*, *P. Aphrodite*, etc., that will soon be showing their flower spikes, should be carefully looked over every day so they can be kept in the right degree of moisture at the roots, and when watering be sure that you wet the whole mass thoroughly. All dendrobiums should be carefully watched and those that have finished up their growth should be removed to a more airy situation, but avoid a too rapid drying off, as this should be gradually done. This treatment is especially applicable to *Dendrobium nobile*, *D. Wardianum*, and *D. Crassinode*, which delight in a long rest, where they can have a cool temperature and plenty of ventilation with full sun. Such treatment greatly assists the plants in acquiring a strong constitution, which always means a free flowering later on.

Propagation

Now is the time, before we have any heavy frost, to put in a batch of cuttings of bedding plants, such as *ageratum*, *alternanthera*, double *alyssum*, bedding *begonias*, *coleus*, *heliotropes*, double *lobelias*, *petunias*, *salvias*, *verbenas*, etc. These can be put in sand in the propagating house, or in a bench and kept moist and shaded until they root. You can also lift a good number of these plants and treat as stock plants, which later on will give quantities of fine cuttings. Where large quantities of bedding plants are grown one should use every means now of increasing his stock.

Potting Evergreens

From now and up to the middle of September is the best time for the successful potting of evergreens. All evergreens used for decorative purposes should be lifted now and potted into pots or tubs, just large enough to hold them comfortably. Any good rich soil will do. See that they have plenty of drainage and are potted firmly. Stand them in some sheltered place where they can have some shade until they get well established. Keep the soil in a nice moist condition by giving them water as needed, and they should also have frequent syringings during the day, as they will establish themselves more quickly. Where you have a lot of these evergreens in pots or tubs all summer, now is a good time to remove the old soil down to the active roots and replace with some soil and manure in equal parts.

Mr. Farrell's next Notes will be on the following: Summer Bulbous Plants; Feeding Chrysanthemums; Housing Decorative Plants; Lifting Berried Solanums; Perennial Border; Stevias.

FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Making and Spawning a Mushroom Bed

Having got sufficient manure in the right condition, proceed by first mixing into it a little soil which has passed through a $\frac{3}{4}$ -inch sieve. This will help to keep the temperature more even. The bed itself must be firm and requires not a little labor to make it so. Pounding, ramming or treading it down are all the same—get it firm by whatever means. The benches should be filled to within three inches of the top, this allows of two inches of “casing” soil, and a rim should the last resort of watering be brought into practice at any later date. The day following that of making it up, the bed should commence to heat and continue to increase for about ten days, probably registering 100 or 110 before any recession takes place. When this point is reached a careful watch should be kept to enable spawning to be done at a right temperature. Individual growers have their own ideas as to what the temperature should be. The safest and best with us is 85° to 80°. The bricks of spawn should be broken up into pieces about the size of a hen's egg before inserting. Place them about ten inches apart each way, three inches below the surface, making the manure firm on top of them. The bed will be best left without the casing of soil for five or six days, when probably the heat will have subsided 8 or 10 degrees. The soil for the casing should be clean loam which has been passed through a $\frac{3}{4}$ -inch mesh sieve. Make this level and firm with a piece of board. Keep the cellar temperature as near 55° as possible and spray around the walls, etc., to keep the atmosphere moist and prevent rapid drying out of the bed.

Winter Cucumbers

A few winter cucumbers are an acquisition to any place and are grown easily. As with other stuff, if a small house can be devoted to them they will show their appreciation. If this is not possible they will thrive in a house having a moist atmosphere and a mean night temperature of 70°. Seeds sown now will come in at an acceptable time. If a house is to be given up to them entirely, make another sowing a few weeks later. Sow the seeds singly in well-drained three-inch pots, filled lightly with fine soil and place in a humid temperature of 70° to 75°. It is not necessary to repot these at all; they will plant right out on the bed as soon as they are

furnished with sufficient roots. Cucumbers are the reverse of melons in the fact that they do not like the soil made hard as a melon does. The bottom of the bench can be covered with a sod, after which only sufficient soil should be given to cover the balls of the plants, the full complement to be added by successive top dressings. Let the soil be composed of three parts loam, one of leaf soil and one of horse manure, with a little sand. Shade the plants for a few days after planting, but inure them to the sun as soon as they will stand it. Keep the house well moist and close up early enough to run the temperature up to 90° to 95°.

Cauliflowers

Cauliflowers are always acceptable and any young plants on hand now which can be transferred to a deep bench will be welcome later on when green vegetables are scarce. Cauliflowers do not want to come in direct contact with a quantity of manure; better to enrich the soil earlier in the season. These are similar subjects to tomatoes inasmuch as they want to be kept going right on without the least check. Once stunted in small pots the injury is beyond recall. Throughout the entire growing season a cauliflower relishes plenty of water at the root. To get them dried out means that a large percentage will “button in” irrespective of all other liberal treatment meted out to them afterwards. Grow them in a night temperature of 50°, with the usual advance by day.

Parsley

This vegetable is always being asked for from the kitchen at all seasons and provision must be made to have it when nature outside the greenhouse is sleeping. Parsley will transplant from a row in the garden or a special sowing can be made either right on the benches or in flats. It is essential that young stock should be raised for the winter work. A late sowing can be made in the garden and when the weather breaks part can be lifted to the benches and the remainder protected from the early frosts. When transplanting reduce the top growth considerably. Parsley does not relish too much heat or moisture; rather aim at a cool buoyant atmosphere—say 50° to 55° at night. The rows can be spaced about 9 inches apart and run from north to south. Keep the surface soil well cultivated at all times.

Mr. Penson's next notes will be on the following: Christmas Melons; Position of Pipes in a Vinery

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Publicity among the kind of readers reached
by this paper is THE SORT OF PUBLI-
CITY THAT PAYS.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Beauties in Solid Beds

No matter how evenly and carefully the drainage in solid beds is put in, they will not dry out as evenly as raised benches, and that is the only thing we have against them. If other roses are to be grown then it does not matter so much for they are not so particular as an American Beauty. In watering solid beds from now on be very careful not to get them too wet in places. Watch the soil and wherever it does not dry out well apply less water. Dust a little lime in such places once in a while; this will help keep the soil sweet and at the same time harden the plants so they will be less likely to contract some of the diseases a greenhouse rose is subject to. The worst to contend with is blackspot. This cannot be cured, but can be made to disappear if careful attention is given to the plants and a few simple rules followed as suggested several different times through these columns.

Another thing to remember with solid benches is when applying mulch, do not use very much. Where it can be done apply only a very little and as soon as it begins to get used up apply some more. Of course where houses have very narrow walks this is not always possible but it certainly pays not to apply too much. Another thing is applying feed and lime, etc., in a raised bench. If too much is applied it can always be "washed out" as we say. Not so with solid benches. Whatever is put on them or into them usually stays there, so you can easily see the necessity of being careful.

The Boilers Again

Have you overhauled all your boilers? If not, why not? It is high time all boilers were in perfect running order. Do not wait until the last minute to make repairs. The firms engaged in selling or manufacturing boilers will be very busy with material for newly built greenhouses and your order may not be able to receive immediate attention and any grower, even though he himself was never in such a "fix" can well imagine what it means to have the houses running cold and the boilers are not in repair to give any kind of a service. And, as is needless to say, if roses receive any severe check in the fall they will not get over it in a hurry.

Sheep Manure

This must not be used on the benches just yet for, if good at all, it contains quite some nitrogen and too much nitrogen is not wanted for the roses as early in the fall as now. We used pure nitrate of soda toward spring and in winter, but we would never recommend it to any one, for a person using nitrate of soda wants to know just what he is about or disastrous results may follow.

Poultry Manure

Usually we gather up just as much of this as we possibly can and then buy some more. We mix it into the liquid manure in winter and spring, but, like nitrate, it must be used sparingly and the grower must know when to apply it. Never apply strong feed when a large crop is beginning to show color. The plants do not need it then. The proper time to apply hen manure, etc., is when the plants are just beginning to break or have already broken. By applying strong feed at that time the stems will be much longer than if no feed is given. Do not, however, commence feeding your plants this way at this time of the year. They do not need it, for they are not rooted well enough to make proper use of it, and will become soft and weak if given feed like that now.

Mildew

As often as this has been discussed in these columns, we think it wise to say a few words again, with the cool nights here with us. Do not make the mistake so commonly made and shut the ventilators down tight as soon as the temperature begins to drop. Give the plants air and plenty of it and if they need heat give it to them. The houses should never go below 64 degrees at night. This applies to Beauties especially, for they are very easily checked and growers who *handle* Beauties know what a check in their growth means.

By saying that houses should not go below 64 degrees at night we mean at this time of the year only, for with the hot days the cool nights would not do the plants any good; 54 degrees is no temperature for Beauties and they will show their dislike, too. Should your plants contract a little mildew dust a little sulphur over the plants or spray with Fungine. The latter can also be used as a preventive by spraying daily during the very bad spells of weather and can be used a little weaker than what is recommended. Where steam is to be had the simplest way is to apply a little sulphur to the steam pipe, but be careful not to apply too much for sulphur can kill the foliage much quicker than mildew can; so *be careful!*

Cleaning Up

Now that the houses are all planted and started, clean up all those little heaps of dirt and rubbish that may have accumulated here and there. Do not let these little heaps go, for they will get larger and larger and be of no credit to the place. Save any broken glass that will cut for broken hot bed sash and do away with the rest. The best way is to bury it around or under some new building now being put up. It may be of benefit there for mice have little use for broken glass and will not bother digging and tunneling around buildings where broken glass happens to be in the soil. Burn whatever is burnable out of all the rubbish. Some of this may be of use when starting a fire in the boilers, so do not be in too much of a hurry to burn it all in an empty lot where no benefit will be derived from the heat.

HORTICULTURE

VOL. XVI

AUGUST 24, 1912

NO. 8

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.
 WM. J. STEWART, Editor and Manager.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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President Vincent's message

President Vincent's message to the S. A. F. which we print in full in this issue strikes us as a well-considered and patriotic document—the honest convictions of a conscientious, industrious official and in this respect it will rank well with the convention addresses of his predecessors. While we must differ with Mr. Vincent as to the wisdom of some of his recommendations yet we are satisfied that he advocates them in all sincerity of purpose for the Society's welfare. This at least we can all agree upon. It is a satisfaction to see that the society is in full accord with the sentiment we have repeatedly expressed and we feel sure that the action of the S. A. F. in adhering to conservative principles will in due time prove to have been wisely taken.

Our Canadian neighbors

We much regretted our inability to devote more space in our issue of last week to the account of the meeting of the Canadian Horticultural Association at Montreal. The proceedings were full of animation and snappy debates on cultural processes and business practices somewhat on the order of the earlier meetings of the S. A. F. Much cordiality towards the S. A. F. was manifested and the subject of "closer relations" between the two organizations might with good reasons be given consideration on both sides of the "line." An amalgamation would hardly be possible even if desirable, but something in the way of an exchange of delegates, with certain voting privileges at the respective conventions, might result in useful harmonious action on matters of mutual interest.

A good parcels post bill

On July 27, Hon. William Sulzer introduced in the House of Representatives, Bill No. 26006, "to reduce postage rates, improve the postal service, and increase postal revenues." It provides for a parcels post worthy of the name and does not undertake to rob the seedsmen and others who publish catalogues and other literature of like educational character. So different is it from the other parcels post schemes which have been under consideration that one cannot help conjecturing as to whether the express companies are not at the bottom of some of them. With one slight modification suggested by Chairman Burpee Mr. Sulzer's bill meets the approval of the committee on postal laws of the American Seed Trade Association. Why not write to your congressman and ask him to help put it through?

As to Renaming

The recent notes that have appeared in HORTICULTURE about the evils of renaming plants are pertinent to one of the great troubles of present-day gardening. The practice of raisers and introducers of sending out the same plant under different names cannot be too strongly condemned, but this is a minor matter, easily discovered and rectified, and the one at fault can be charged with it.

There is, however, another phase of renaming that is far more difficult to deal with. We will take as an example the old *Spiraea opulifolia*; this has been given four different generic names by different authorities at the times named, and today the poor cultivator is at a loss to know which is right. Anyone would admit that the plant is not a *Spiraea* when examining the bladder-like seed capsule, and while this might have passed in 1753 and has lived in our memories until now, it is a curious fact that among botanists, there are three other authorities who have dealt with this shrub differently as will be seen below.

Spiraea opulifolia—Linnaeus, Sp. Pl. 1753.

Physocarpus opulifolius Maximowicz. 1836, recognized by Coulter and Bailey.

Neillia opulifolia, Brewer & Watson Bot. Cal. 1876. (Bentham & Hooker.)

Opulaster opulifolius, Kuntze, Rev. Gen. Plant. 1891. (Britton & Brown.)

Other similar examples might be cited were there time, but the question now is, what is the proper name for this much-named shrub?

E. O. Orpet.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

A Well Attended Convention and Most Important Exhibition in Society's History

Minneapolis, Minn., Next Meeting Place

Officers Elected

PRESIDENT—J. K. M. L. FARQUHAR, Boston, Mass.

SECRETARY—JOHN YOUNG, New York, N. Y.

TREASURER—WILLIAM F. KASTING, Buffalo, N. Y.

The convention was called to order at 11 A. M., Tuesday, August 20, by Vice-President August Poehlmann of Chicago. On the platform were the officers, several ex-presidents of the Society and Hon. John B. Payne representing the park systems and the people of Chicago. After a few brief and very cordial words of welcome by Mr. Poehlmann on behalf of the Chicago florists, Judge Payne voiced a royal welcome. He told his audience that they represented the cream of civilization and called attention to the tremendous growth of the outdoor sentiment all over America, eliciting enthusiastic applause.

Judge Vesey, who responded on behalf of the Society, asserted that the S. A. F. contains in its membership the finest type of American citizenship and on behalf of the visitors gracefully accepted the courtesies offered and the opportunities for education and enjoyment that had been so lavishly provided.

The hall was well decorated with palms and Southern smilax. The attendance at the opening session was disappointingly small, due to the fact that visitors were lined up to register and obtain their badges, tickets, etc., in the secretary's department down stairs and the late arrival of several trains, thus emphasizing the folly of calling a convention opening session in the forenoon, and the weather was exceedingly hot and sultry.

President Vincent was next introduced and proceeded to read his annual address, which was received with approving applause.

THE PRESIDENT'S ADDRESS.

Ladies and Gentlemen, Members of the Society of American Florists and Ornamental Horticulturists:

Your generous welcome has made this day the proudest in my life, and I thank you for your reception from the depth of my heart. Strange as it may seem, for the reason that no florists' club has been more active than yours in the affairs of our national society, this is the first meeting of the S. A. F. and O. H. in this great city of Chicago since the Society's organization meeting in 1884 and its annual meeting in 1887. In all the years which have passed since then no an-

nual meetings have been held here. At the time of the great World's Fair, held here in 1893, it was thought inadvisable to hold the convention in Chicago. It was, therefore, held in your annex, the city of St. Louis, although, after that meeting, there was one week devoted to a horticultural conference in this city. Later, at the time of the Milwaukee Convention, our members were lavishly entertained in Chicago on the closing day of the meeting. At various other times we have passed through your city en route to our annual meeting tryst, and at such times we have been well and heartily received.

There is no city in the United States to which we can come with greater hope of a successful meeting than this, for your inhabitants claim your city to be the center of commerce, of population and of civilization. Their claim is well put and we agree with them.

We feel that our stay in this city is going to be one of wonderful interest and that our sessions will be marked by progress of a notable character.

For the recommendations I am about to make, I invite your earnest consideration. Some of them may, and probably will, meet with opposition, but generally through opposition only is a principle best worked out. My desire is that when we leave Chicago it will be with the knowledge that something tangible has been done for the future welfare of the Society of which we are all so proud to be members. Let us not indulge in dreams, but in action.

On behalf of all our members I thank you for the hearty welcome received this day.

The S. A. F. Executive Board.

In the past history of the Society, its executive board, after mature deliberation, has presented plans for the benefit of the Society which have been ruthlessly torn to pieces in general meeting; in some instances the membership has been in the right; but in most cases the officers have been defeated in their efforts in the direction of betterment for the Society through the fact that the members who influenced the results of the debate had not had opportunity to consider the subject from all its angles, and, therefore,

from lack of this consideration were inimical to the proposed changes, and so sought to defeat them. It would be but a slight expense to the Society to print and immediately place in the hands of each individual member the full text of the work of the executive board at its meetings. Members would then be in prior possession of the reasons why certain policies had been advocated and would come to a convention properly prepared and fully informed on the subject, ready to discuss and vote aye or nay, according to their convictions. I urge that in the matter of the executive board meetings more light be given each individual member.

The Office of the Secretary.

The secretary of the Society should devote his entire time to its business, and his compensation should be such as would justify the employment of the best man obtainable. I affirm that the appointment of a secretary should be absolutely controlled by the board of directors of this Society. There has been much discussion on this subject hitherto, but my contention is that no president and board of directors of a large business house, corporation or bank, would care to run their institution if its acting secretary was under the control of the stockholders, and so not directly responsible to himself and the board. While I do not contend that the S. A. F. is a business proposition only and solely, it cannot be gainsaid that there is more of business practice in its workings than not. In other words, while our Society is working both for the elevation of its members and the benefit of the people of the country at large, it is in great measure controlled by its business interests. The work to be accomplished by our Society in the future will be due as much to its secretary as to its president or its board of directors, and the only men qualified to judge as to the value of the secretary to the Society are those with whom he comes in direct contact, namely, its board of directors. A secretary whose time is to be given entirely to the affairs of the Society can well earn a living by traveling through the country talking up the S. A. F. and obtaining members if, together with the National Flower

Show, we present other salient benefits to be derived therefrom—which we can well do—such as a year book to be issued by the Society, a permanent home, a school of horticulture wherein your sons or any worthy young men can be educated; all these and other features will prove attractive in leading to an enlarged membership, the limit of which should be placed at not less than 3000.

Annual Dues and Membership.

Although membership in this Society is probably worth more today than when it was originated, I do not believe that either the membership fee or the life membership fee should be increased, not, at least, until we have more inducement to offer prospective members. The most important point I have to make is in regard to regulation of membership. I urge that this Society pass a rule whereby new members proposed must have the endorsement of the vice-presidents of their respective States or of their florists' clubs, or of two members of the S. A. F. in good standing, before their application is granted by the Society; this to be through its secretary or a membership committee.

Increase in Membership.

Much has been said with regard to increasing our membership, but actually little has been done toward that end. Several of our members have distinguished themselves by bringing in many new members, but, taken as a whole, the majority have made no great effort to influence others to join with us. One need not seek far to ascertain the reasons for this passive condition. With all that has been said and done in the matter, the fact remains that until quite recently our Society held one big meeting once a year, and when that meeting adjourned the Society was practically dead for the next eleven months and three weeks. The institution of the biennial National Flower Show has already worked considerable change in this apathetic condition, and a few further live moves in the right direction on the part of our Society will materially alter the condition of indifference to the S. A. F. prevailing among the trade at large. When we make membership sufficiently attractive to the pocketbooks of our fellow florists, we shall obtain the adhesion, not spasmodically at each city visited as has been the case in past years, but for keeps, just as a live trade paper holds its circulation.

Annual Convention Meeting Date.

The subject of holding our annual conventions at the same time as the Spring Flower Show created a lively debate at our meeting in Baltimore last August, and those in favor of holding the convention in the month of August had the better of the argument. Inasmuch as it is absolutely impossible to do convention work whilst a great flower show is in progress, this fact being fully demonstrated at our last National Flower Show held in Boston, when it was found impractical to bring our members together for a business session, although they were present in great force all through the week, it would seem just as well that this Society continue its August meetings as heretofore.

Affiliation of Horticultural Societies.

It is useless to further attempt to

disguise facts. The Society in its early days committed its first tactical error in not assuming the paternity of the Florists' Hail Association, and it has gone on from year to year disregarding the requirements of its specialists in all lines until today we have strong societies which, in the value of their work and the influence they wield, are nearly at par with the work done by the so-called parent body, the S. A. F. and O. H. More discussion has been offered on the matter of closer relationship than possibly on any other subject, at our various meetings for the past ten years or so; yet, with it all, not one step in advance has been made to clear the situation or bring about the desired ends until the present year. Prospects are now brighter and, if a good working committee can be gotten together during this convention, results may follow. There is no doubt in my mind but that the most active of our societies will continue each under its own autonomy. Societies such as the Carnation, the Rose, the Gladiolus, the Sweet Pea, even the Peony, will each continue on its way, fixing their several policies to suit the needs of the hour and enlarging their organizations and scope as the years go by. In great part the men who are prominent in these societies are the men who are prominent in the S. A. F. and O. H., and it must be said of these men that they are just as loyal to the old S. A. F. as they are to the separate societies in which they take so active an interest. It is for the reasons aforesaid that every plan of affiliation which has heretofore been brought forward has been laid on the table. There must, however, be some common ground on which these societies can come together in order to form that strong, compact body of horticultural interests which could produce far more good for the business than is possible through the efforts of isolated groups and separate organizations. I ask the most thorough consideration of the plans which will be presented on this floor with that object in view, the result of a "get together" meeting held in this city.

With regard to the affiliation of the purely local horticultural societies throughout the country, we think the way should be made easy whereby these may become affiliated with our Society. It is for this convention to decide as to whether it would be in opposition to an attempt to form an amateur section of the S. A. F.; our constitution and by-laws, and our national charter make provision for the admission of all interested in horticulture. I ask the privilege of appointing a committee to formulate plans to that effect, said committee to report to this convention in 1913. The admission of local horticultural societies should place no additional burden on the funds of this Society, while much mutual benefit would result. The Society itself would become better known locally throughout the country, while the amateur societies represented could have the assistance and advice of the Society's officers whenever they were required. The S. A. F. could also afford to contribute silver and bronze medals to the various shows conducted by the affiliated amateur societies, could provide a uniform constitution and by-laws, scale for point judging, and rules for show handling among those affiliated. A feature of the affiliation should

be that officials or members of the S. A. F. be in official evidence at all exhibitions of the societies, an easy detail to provide for on account of our universal membership.

With regard to the florists' clubs throughout the country, the question of the affiliation of these is the next most important to that of the affiliation of the various larger societies mentioned. Can we not offer representation to these clubs on a basis that would be satisfactory to both contracting parties? The individual florist clubs form the backbone of the S. A. F. and deserve better recognition. The same committee appointed to take up the affiliation of the local horticultural societies could also consider this proposition.

How to Bring About Affiliation.

Some of the lines on which our societies might be brought together and affiliated with the S. A. F. and O. H. are as follows:

Liberty to join or resign—in effect state sovereignty and home rule.

Affiliation along co-operative lines.

Reason for affiliation being that there is strength in unity.

Each society to be represented in the S. A. F. directorate.

S. A. F. to exercise the functions of our Federal Government.

In the publication of an annual, each affiliated society could pay its proportionate expense of publication, taking as well a certain proportion of the copies printed.

Attendance at Meetings.

We most certainly need a reform in this direction. It is scant courtesy to ask a gentleman to prepare a paper on some special feature of interest and then have him lecture to a beggarly array of benches. If the members will not remain in session to hear the essays, we should eliminate them from our programs, and confine ourselves entirely to the matters of business which are presented for our consideration. In fact, it has often occurred to me that while in former days, when there were no trade journals to rely upon, the presentation of essays was most advisable; in these days such papers are not so necessary as a part of our meetings, unless they be connected with some special feature of the business which calls for elucidation or discussion. Subjects selected should be confined to those which appeal to the entire membership, for a Carnation grower does not care to listen to a paper on Roses, a Rose grower to one on general gardening principles, and so on. Papers on cultural topics can well be confined to the societies which represent one phase of our business.

The Convention Exhibition.

Here we can report satisfactory progress. The recent action of the executive committee, which has brought about the long advocated change to the effect that the receipts of the exhibition belong to the Society, has met with unqualified success. The further supervision of the exhibitions by the Society's secretary is another step in the right direction. The surplus receipts from this and other sources could well go toward the maintenance of our required headquarters. On account of the value of these exhibi-

tions to the trade at large it does seem advisable that our conventions should be held in cities of large population. The trade exhibition is of more interest to the average attendant than any other feature of our convention, and its development should be encouraged by every means in our power.

Tariff and Legislative Committee.

The affiliation of all horticultural societies and florists' club would go far toward strengthening the hands of the gentlemen composing that committee, inasmuch as in numbers there is strength. The work this committee is called upon to handle is mainly of a nature which brings it into contention with great interests, such as the railroads, the express companies, the various National and State legislative bodies, as also the Interstate Commission. From this it will readily be seen that when this committee succeeds in winning a decision on a contested case or in obtaining a concession, it is doing great work, not alone for the Society, but for the trade at large.

Society Work Between Conventions.

We should make a strong effort to check the deadness which so often characterizes this Society between its annual meetings. A real, live Society should have something doing all the time. It should not be like the annual circus which comes to town, pitches its tent, performs for a week and then fades away to remain unheard of and unnoticed for a year to come.

Affiliation of societies, committees working on live issues, the National Flower Show and a progressive secretary always on his mettle and on the move for betterment of the Society, will help greatly to remove an apathetic condition which has too often been directed against us in reproach.

Horticulture Flourishing.

For years past our successive presidents have felt called upon to make remarks upon the improvement of floricultural conditions, and I find myself joining in this acclaim with my predecessors, for certainly the development of our product has kept pace with that of all other arts and sciences which tend toward the betterment of the condition of the people of our common country. Within the past ten years there has been a wonderful "back to the land" movement on the part of our wealthy men. Consequently great amounts of money have been spent in the embellishment of estates; this movement has been in no way confined to that class, for we find that the desire is becoming universal on the part of all who own their homes to make their grounds beautiful. Civic improvement is the order of the day everywhere. The demand for the best in horticulture is increasing accordingly. As this added knowledge of plant life is gained it becomes necessary that we keep progressing, furnishing not only better but more diversified stock, meeting present wants yet encouraging the call for more expensive stock.

Our State and National Experiment Stations.

There are valuable educational factors in the working out of experiments in regard to insect pests, diseases of plants, and in solving matters which could not be handled by the general

horticulturists. As a trade, we are in a position to obtain bulletins, State and Federal, practically free of cost, and in fact any information on any reasonable subject when it is asked for of the proper authorities. In the proposed "Annual" could be incorporated a list of the experiment stations and the names of the officers to whom to refer for guidance on the various subjects of insect pests, diseases, etc. The Society and its members should endeavor to aid the experiment stations in every way in their power, in order that their managements may be provided with sufficient funds that they may be in no way restricted in their researches for practical knowledge. Efforts should also be made to interest the stations in horticultural studies as well as in studies purely agricultural, to which latter they mostly incline.

Permanent Headquarters for the S. A. F.

The national charter granted our S. A. F. and O. H., and signed by President McKinley, requires that we maintain permanent headquarters in the city of Washington. We have dodged action on this subject from year to year. It is time that we took it up, got down to business, and instituted our home in that city, even though its start be on a most humble scale. Let us begin by making a beginning. We want a home there for our Society. With this we should institute a practical school of horticulture for our children and a permanent trial ground for our members. If this convention will take the necessary preliminary steps to establish such a home, this desirable institution can be brought about. What we will, we can do. The permanent headquarters should contain the offices of the secretary of the S. A. F.; our executive board meetings can be held there; it could be made the rallying point of horticulturists; and, in fact, the institution can be so handled as to create an added attraction to that Mecca of America—the city of Washington. Possessing such an institution, the Society would take on additional vigor; it would add to its name and to its reputation, and would then be in a position to assert itself and its influence. There are many things this Society should do, but none more important. If this matter is placed in the hands of an able committee at this present convention, I have no doubt that it will find ways and means to make an early start.

Publicity.

To still further advance the cause of horticulture, the subject of florists' publicity is expected to be brought before this meeting. We have many important subjects before us, none much more important than this. I simply allude to the subject in order that not one of you be absent when the matter is brought up for discussion. It is one which appeals to your pocket-books in that it is desired to plan ways and means whereby a much greater interest in our business may be stimulated, to the end that a still greater volume of business may be transacted. It is proposed to do this through co-operation, and I sincerely trust that a practical method of working out this idea will be

evolved. For instance, if through publicity we could influence every man on the street to wear a boutonniere and every lady a corsage boutonnet, can any one figure just how many cut flowers would be required daily for this one particular custom?

Overhead Costs.

Here is a subject which must appeal to us all. How many of our members have put into practice a system whereby they can tell, weekly or monthly, just what their overhead expenses amount to in actual money? There is no point more vital to success in any business than the possession of this knowledge. Houses which understand fully their overhead costs seldom go into bankruptcy; on the other hand, they will generally be found among the more prosperous of our country's establishments. By overhead costs I refer to the thousand and one expenses of a business which, being indirect, are all too often lost sight of when making a price. These overhead expenses comprise every detail of cost which is responsible for the ability to produce your goods but which do not appear as direct expenses; for instance, rent, coal, original cost of building and ordinary wear and tear on same, the keeping up of horses and wagons or automobiles, advertising, taxes and insurance, necessary travel, the salaries paid to all non-producers and petty expenses. In clearer words, overhead expenses consist of the non-productive factors in a business, all of which, however, have to be reckoned with and provided for in making a scale of charges for your product.

I would like to see a committee appointed on overhead costs, to be directed to present a report at the 1913 convention, with such figures and data as they could bring to bear on this progressive subject. When a man in business has the certainty that the price at which he is selling his stock includes all the indirect charges incidental to its production, he can feel that his business is being run at a profit, but with these factors unknown, it must ever be a case of "hit or miss." With the establishment of the cost system, we will soon be made acquainted with those stocks we are handling on which we are making a profit and those on which we do not make a profit, and as the tendency of modern business is to throw out everything on which it is impossible to make money, this knowledge, once fixed, will certainly be of untold value to all of us who lack that knowledge, and who set a price on their goods, not because they know it will pay them, but because of the fact that others are selling the same stock at an approximate price.

This committee, if agreed upon, should have an appropriation of \$100 for advice from experts as to how to correctly take up the consideration of the subject.

Coming National Flower Show.

The chairman of the National Flower Show Committee will make his report at this meeting, and from what we have gathered, the same will contain much cheering information, prospects being exceedingly bright for a first-class exhibition. Mr. Chas. H. Totty, its chairman, having visited the great

International Exhibition at London, which took place toward the close of last May, has undoubtedly gathered together many pointers which will be of service to him in handling our own American enterprise. Now that a permanent Flower Show Committee is in operation, it should not be too much to expect that before many years have rolled around, this Society will be enabled to successfully hold a flower show annually.

An S. A. F. and O. H. Annual.

I have elsewhere mentioned that the publication of an annual by this Society would be of practical value to our membership. This annual could contain, in addition to the report of the proceedings as now published annually, much material of trade value and interest. If all our national societies affiliated, the one publication might embrace the proceedings of all the societies. Additionally, could be given all the facts and data of horticultural progress from year to year, with condensed reports of the various exhibitions taking place during the year, together with fixtures for the year following. It should contain a list of American novelties seeing the light during the year and the varieties certificated by the various societies. It would necessarily have to be a progressive book; that is to say, built on the idea of a calendar, increasing in value from year to year as the data became available. The actual value of such a book would depend, in a great measure, upon the one into whose hands it would be entrusted for publication. The cost of the work would, I believe, be met in considerable part through advertising patronage.

Parcel Post and Postal Reforms.

Inasmuch as both our great political parties now realize the fact that parcel post must become an established institution of the U. S., the work which now remains is for us to assist other organized bodies in the endeavor to bring about a genuine parcel post and not a "make believe"—a parcel post institution that will be of advantage to the business men of the country as well as to the masses, and not one that will work into the hands of the organized express or other interests. The subject is one which demands the closest attention, and I will not attempt to go into details nor advocate the passage of any particular measure now before Congress or the Senate, as, of the several bills now before one body or the other, there are none which are to be recommended in their entirety. I would counsel all our members to watch their daily and trade papers most carefully, and to take such action as may be recommended by these journals, assisted by their own good common sense. In this connection, it has been proven, without doubt, that if you write your congressmen and senators, with conviction, a letter expressing politely but forcibly the result of your own thought in the matter, it will be given attention. My recommendation is that we pass a resolution on this floor, calling for the enactment of a parcel post bill which will give us the same low rates and privileges as to parcel post as are now being enjoyed by the people of nearly every European country. We cannot attempt to make rates, but we can protest against the charges being made so high as to ren-

der the institution of parcel post a farce.

The Horticultural Trade Press.

To our trade press much is due for the advancement of horticulture in the 20 years that have passed, and for the unremitting efforts of the directors of these publications to keep us in the vanguard of events should our utmost thanks be expressed. As conducted, they keep us apprised of everything that is going on in our line throughout the entire country, often obtaining their news at great expense. Added to their educational side, they conduct business for us at extremely small returns to themselves; in fact, they act as brokers, spending the money received for advertising in efforts to improve their service to their subscribers. We have no figures showing the amount of money which changes hands as a result of the advertising contained in the columns of our trade papers, but it certainly must run up into several millions of dollars a year.

The great advantage which our trade possesses over other lines of business in its use of these papers lies in the fact that it obtains direct returns from its advertising as against the very indirect and sometimes wholly unsatisfactory returns obtained by the general advertiser who may spend thousands of dollars in a campaign of education of the people, where it is only necessary for us to spend our tens.

The Convention Sports.

These result in decided pleasure to a great portion of those who attend. Were it not for the sports the probabilities are that attendance at our meetings would be considerably reduced in number. It is also true that "All work and no play makes Jack a dull boy." To the sports and games there can be and is no objection, but these events should be arranged so as not to interfere whatsoever with the business program. For that reason, I would urge that all sports take place on the fourth day of the convention, our day of recreation. All business having then been transacted, everyone could enjoy the games, whether it be a bowling match, shooting, or the races, and so on, and I believe each and every member would appreciate the privilege of being able to attend. As the sports program is now conducted, many of us cannot be present on account of other duties.

Finale.

I am proud to be your presiding officer this year. Let us come together during this meeting to the material benefit of ourselves and of all mankind, so that when we leave this wonderful city we may return home rejoicing in the knowledge gained, the friendships renewed and the new ones made, which will cement us in stronger bonds to the ends of our lives.

Generosity of thought and action is an attribute of the florist, because we live close to Nature, and no body of men and women anywhere stands more ready to extend a helping hand to a brother or sister in trouble. We are becoming more broad minded as we mingle with the world, more united for progress and the general distribution of our discoveries in order that our fellow tradesmen may be benefited.

Let us strive to increase the love of flowers universally not only for our

own selfish or money making purpose, but for the elevation of mankind. Neither should we confine our efforts to our own country, but let us make use of them freely wherever we can extend our cult from country to country the world over, in the endeavor to bring about that peace and good will which will ultimately reign throughout the world and bring us into one brotherhood of communion and fellowship. I thank you yet again for your attention and your welcome.

SECRETARY'S REPORT.

Next came the report of Secretary John Young, which was as follows:

From January 1, 1912 to August 15, 1912.

The books and other properties pertaining to the secretary's office were turned over by the outgoing secretary early in January. The books were all in good order and accompanied by an inventory covering the property of the Society that is in the possession of the secretary.

Membership.

Since January 1st, 1912, to August 15th, 1912, there has been added to the list of members the names of 135 annual members and 31 life members.

New Members.

Following the recommendations of the Board of Directors, a circular letter was sent to each name in the florists' directory, setting forth the advantages of being a member of this Society. With this letter was enclosed a copy of the official program of this meeting and an invitation from the Chicago Trades Committee to attend this convention; also an application blank, and very gratifying results are being shown.

Trade Exhibition.

The trade exhibition held at the time of the convention is growing in importance each year. At Baltimore the receipts of the Trade Exhibition managed by Mack Richmond were \$3,808.05 and the expenditures \$1,550.31, the net proceeds turned into the permanent fund of the Society being \$2,258.19.

The present trade exhibition has surpassed anything of the kind ever attempted, and the net proceeds should almost double those of the Baltimore convention. It will be well for the members to pause and think of the varied interests and high quality of the exhibits in the main hall. The secretary finds that much of the printed matter and material purchased for use at this exhibition can be saved and used again next year. Without question many economies can be practiced for the next convention.

Transportation.

Application for rates was made to all the passenger associations, and refused. They will pay no attention to such requests unless an attendance of 1,000 is guaranteed.

Plant Registration.

The following plants have been registered since the last convention:

472, Sept. 21, 1911—*Begonia*, "Feastil Punchii," by Lloyd C. Bunch, Fredonia, Kansas.
473, Oct. 7, 1911—*Rose*, "Porjole," by Jackson & Perkins, Newark, N. Y.
474, Oct. 7, 1911—*Rose*, "Genevieve"

Clark," by Jackson & Perkins, Newark, N. Y.

475, Oct. 7, 1911—Rose, "Sunshine," by Jackson & Clark, Newark, N. Y.

476, Oct. 5, 1911—Rose, "Double Improved White Killarney," by S. J. Reuter & Son, Westerly, R. I.

477, Oct. 5, 1911—Althaea, "Wm. P. Smith," by Henry A. Dreer, Inc., Philadelphia, Pa.

478, Nov. 30, 1911—Geranium, "General Wayne," by F. H. DeWitt, Wooster, Ohio.

479, Nov. 30, 1911—Geranium, "Aviator Rodgers," by F. H. DeWitt, Wooster, Ohio.

480, Nov. 30, 1911—Geranium, "Dr. Wylie," by F. H. DeWitt, Wooster, Ohio.

481, Nov. 30, 1911—Geranium, "Aviator Atwood," by F. H. DeWitt, Wooster, Ohio.

482, Nov. 30, 1911—Canna, "Conowingo," by the Conard & Jones Co., West Grove, Pa.

483, Nov. 30, 1911—Canna, "Splendor," by the Conard & Jones Co., West Grove, Pa.

484, Nov. 30, 1911—Canna, "Wabash," by the Conard & Jones Co., West Grove, Pa.

485, Nov. 30, 1911—Canna "Beacon," by the Conard & Jones Co., West Grove, Pa.

486, Nov. 30, 1911—Canna, "Kate P. Deemer," by the Conard & Jones Co., West Grove, Pa.

487, Feb. 5, 1912—Orchid, "Laelia Anceps, var Lageriana," by Lager & Hurrell, Summit, N. J.

488, Feb. 22, 1912—Carnation, "Commodore," by the E. G. Hill Co., Richmond, Ind.

489, March 9, 1912—Gladolus, "American Wonder," by H. W. Koerner, Milwaukee, Wis.

490, March 9, 1912—Gladolus, "American Giant," by H. W. Koerner, Milwaukee, Wis.

491, March 22, 1912—Geranium, "Mrs. E. D. Curtis," by Curtis Floral Co., 515 S. Main St., Hampton, Iowa.

492, May 11, 1912—Rose, "Killarney Brilliant," by Robert Scott & Son, Sharon Hill, Pa.

493, April 27, 1912—Fern, "Petris Cretica Andersonii," by J. F. Anderson, Short Hills, N. J.

494, June 28, 1912—Geranium, "Helen Michell," by Henry F. Michell Co., Philadelphia, Pa.

Medals.

The following medals were awarded during the year:

Silver Medal—F. Dorner & Sons Co., Lafayette, Ind., for carnation "Rosette" offered through the American Carnation Society at its annual meeting held in Detroit.

Bronze Medal—E. G. Hill Co., Richmond, Ind., for carnation "Commodore," offered through the American Carnation Society, at Detroit.

Silver Medal—J. A. Peterson, Cincinnati, Ohio, for begonia "Westwood," offered through the Cincinnati Florists' Society at their exhibition in Cincinnati, November, 1911.

Bronze Medal—R. Witterstaetter, Cincinnati, Ohio, for carnation "President J. A. Valentine," offered through the Cincinnati Florists' Society at their exhibition held in Cincinnati, November, 1911.

There were also three silver and three bronze medals offered at the International Exposition in London for plants and flowers of American origin. The secretary has not yet been notified to whom these medals were awarded.

Since the last convention the following members have died: E. A. Moseley, I. L. Powell, Fred Ehret, C. A. Juengel, J. Labo, J. A. Pettigrew, J. F. Wilcox, J. R. Freeman, W. H. Moon, Frank Piorowski, Wm. Bester, Charles Knopf, W. R. Smith, ex-president and father of the charter of the Society.

Trade Press.

The trade press continue to publish all items of interest sent them from

the secretary's office and publish all reports of the proceedings of the Society and furnish complimentary copies of their publication for the use of the secretary.

Secretary's Office.

The work of the secretary has been very interesting and fascinating.

I desire to thank publicly the officers and members of the Society who have assisted me at all times with their advice and good council, which has made the work so much lighter and pleasant.

TREASURER'S REPORT.

Treasurer W. F. Kasting then read his report as follows:

Summary of treasurer's annual report, January 1st, 1911, to January 15th, 1912.

Jan. 1, 1911.	
Balance in Permanent Fund	\$9,020.17
Receipts to Jan. 15, '12	2,917.69

Balance in Permanent Fund, Jan. 15, '12....	\$11,937.86
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Jan. 1, 1911.	
Balance in General Fund	\$6,327.81
Receipts to Jan. 15, '12	7,689.80
	\$14,017.61

Disbursements to Jan. 15, '12.....	4,709.54
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Balance in General Fund, Jan. 15, '12.....	9,308.07
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Total Balance, Jan. 15, '12	\$21,245.93
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Invested as follows:

Permanent Fund.	
Dunkelberg Bond & Mortgage, Ft. Wayne, Ind.	\$6,000.00
City & Suburban Realty Co., Ft. Wayne, Ind..	1,500.00
American Savings Bank, Buffalo, N. Y.	3,082.65
Peoples Bank, Buffalo, N. Y.	710.47
Germania Savings Bank, Pittsburg, Pa.	644.74
	\$11,937.86

General Fund.	
Peoples Bank, Buffalo, N. Y., savings acct. .	\$3,538.20
Peoples Bank, Buffalo, N. Y., checking acct. .	1,515.77
American Savings Bank, Buffalo, N. Y.	4,254.10
	9,308.07
	\$21,245.93

Bond & Mortgage at 5 per cent. interest.
Pittsburg & Buffalo Savings Banks at 4 per cent. interest.

Peoples Bank on \$710.47, 4 per cent. interest.
Peoples Bank on checking account, 3 per cent. interest on quarterly balances.

Summary of treasurer's report, January 1st, 1912, to August 1st, 1912.

Jan. 1, 1912.	
Balance in Permanent Fund	\$11,937.86
Receipts to Aug. 1, Permanent Fund.....	1,112.57
	\$13,050.43

Jan. 1, 1912.	
Balance in General Fund	\$9,308.07
Receipts to Aug. 1, General Fund.....	3,351.58
	\$12,659.65

General Fund Disbursements to Aug. 1.....	3,056.63
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Balance in General Fund, Aug. 1, 1912....	9,603.02
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Total Balance, August 1, 1912....	\$22,653.45
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Invested as follows:

Permanent Fund.	
Dunkelberg Bond & Mortgage, Ft. Wayne, Ind.	\$6,000.00
City & Suburban Realty Co., Ft. Wayne, Ind..	1,500.00

American Savings Bank, Buffalo, N. Y.	3,459.07
Peoples Bank, Buffalo, N. Y.	1,133.74
Germania Savings Bank, Pittsburg, Pa.	657.62
	\$5,250.43

General Fund.

American Savings Bank, Buffalo, N. Y.	\$4,705.05
Peoples Bank, savings acct.	3,065.73
Peoples Bank, checking acct.	1,832.24
	9,603.02

\$22,653.45

Bond & Mortgage at 5 per cent. interest.
Pittsburg & Buffalo Savings Banks at 4 per cent. interest.

Peoples Bank on savings account, 4 per cent. interest.

Peoples Bank on checking account, 3 per cent. interest on quarterly balances.

Respectfully submitted,
W. F. KASTING,
Treasurer.

In the absence of Chairman Pierson, J. G. Esler stated that the legislative committee had learned that the several postal parcels bills had gone into conference at Washington. Charles H. Totty next presented an interesting and encouraging report on behalf of the National Flower Show Committee. The stenographer, Mr. Brown, then read for the information of the meeting the full report of the Executive Committee's mid-winter meeting. Messrs. Valentine, Vaughan, Esler and Welch were appointed a committee on the recommendations in the President's address.

TUESDAY AFTERNOON SESSION.

Tuesday afternoon session was better attended than that of the morning and developed into a record event in some respects. The first thing on the program was a talk by Wm. Gourlay of the American Express Company, who gave many assurances of the desire of his company to deal with florists and plant shippers on the square.

Next Meeting Place.

The question of the next meeting place then came up and after more or less debate Minneapolis, Minn., was selected by unanimous vote, although W. A. Manda put up an eloquent plea for Atlantic City, N. J. Mr. Manda proved himself to be a spell-binder of no mean quality.

TUESDAY EVENING SESSION.

After a brief intermission the evening session was opened and with it the discussion of the various proposed amendments to the by-laws. Patrick O'Mara outdid himself in his speech against the proposition to hand over to the Executive Board the appointment of secretary. Mr. O'Mara's "declaration of faith" was a classic. "The wider you divide the responsibility the better it will be for this Society," he said, and it was the prelude to a battle royal in which many clouded possibilities were dragged out to the light of day and then given a decent burial. The proposition as to the secretary was tabled until next year and the proposal to correct the records of 1909 and validate the remission of dues to certain members was defeated, a substitute motion applying the concession and the title of "Pioneer Member" to all members of 1885 who paid dues for 25 consecutive years being adopted. A committee was constituted to consider and report on a plan to erect a monument in Washington to W. R. Smith.

Mr. Rossi of San Francisco then ad-



POEHLMANN BROS., MORTON GROVE, ILL.

American Beauties, Tea Roses, Carnations, Valley, Lilies, Orchids and Chrysanthemums

With this plant to draw from we can always supply you with the best the market affords in American Beauties, Tea Roses, Carnations, Valley, Lilies, Orchids and Chrysanthemums. Our latest addition is a Plant Department. We shall have all kinds of blooming plants for the winter trade as well as **Bostons, Whitmani**, all kinds of **Ferns for Dishes** and **Palms and other Decorative Stock**. Out of town orders promptly filled. Prices according to quality. Bring in your orders. Write or telegraph and we will do the rest.

POEHLMANN BROS. CO.

33-35-37 Randolph Street, Chicago, Ill.

addressed the meeting extending an invitation on behalf of the Pacific Coast Horticultural Society, of which he is president, to have the S. A. F. visit San Francisco in 1915 on the occasion of the great Panama Exposition. Letters from the President of the Exposition and others were also presented. Mr. O'Mara and Mr. Kasting spoke in approval and a favorable vote was cast.

THE PRESIDENT'S RECEPTION.

The reception to the president at the Auditorium Hotel on Tuesday evening proved as popular as usual and was a brilliant social event. It was enjoyed by a vast multitude of the members and their ladies. Music, refreshments and dancing were enjoyed until midnight.

WEDNESDAY MORNING'S SESSION.

Wednesday morning's session was well attended. President R. Vincent, Jr., announced W. F. Gude, John K. M. L. Farquhar, J. A. Valentine, Harry Papworth, and R. Vincent, Jr., as a committee on the memorial to William R. Smith with power to add to the number from each state in the Union.

J. A. Valentine reported for the committee on the president's address endorsing his recommendations for more general dissemination of the proceedings of the Executive Board, the appointment of a committee to consider plans for closer affiliation with other organizations (to report next year), recommendation for a careful

adjustment of exhibition space rates according to exigencies each year, and that an appropriation of \$500.00 be made for more active work on matters of legislation, parcels post, etc. Also the sum of \$100.00 for the use of a committee to consider the matter of over-head costs. The committee did not believe that the Society was in a position to establish a School of Horticulture as recommended. L. W. C. Tuthill then read his paper, "Advertising. Some Wrongs to Make Right," a most excellent and practical address.

Report of Judges.

Charles Graham then presented the report of the judges giving honorable mention to South Park, Lincoln Park, and West Park commissioners for their magnificent plant groups in the exhibition hall; giving certificates of merit to F. R. Pierson, Tarrytown-on-Hudson, N. Y., for unnamed fern; W. A. Manda, South Orange, N. J., for plant group; J. A. Peterson, Cincinnati, O., for plants; Lager & Hurrell, Madison, N. J., for orchids; Robert Craig, Philadelphia, Pa., for new ficus and plant groups; Bassett & Washburn, Chicago, Ill., for Golden Glow Sawyer's aster and chrysanthemums; J. Lewis Childs, Flowerfield, N. Y., for gladiolus Panama; Arthur Cowee, Berlin, N. Y., for gladiolus Rochester White; Henry A. Dreer, Philadelphia, Pa., for adiantum Glory of Moor-Drecht; Robert Craig, Philadelphia, Pa., for crotons America, Canada, and Mrs. August Poehlmann; and honorable mention and high commendation to a large number of other exhibitors of plants and bulbs.

NOMINATION OF OFFICERS.

The nomination of officers resulted as follows:

President, J. K. M. L. Farquhar.
Vice-President, W. J. Vesey.
Secretary, John Young.
Treasurer, William F. Kasting.

Additional awards in the florists' supply section, also in greenhouse building and heating section were reported by the judges and will be given in our next issue.

ELECTION OF OFFICERS.

Balloting for officers had already started on Thursday forenoon when Judge W. J. Vesey mounted the platform and after an eloquent expression of his regard for Mr. Farquhar and the latter's high qualifications for the office of president asked permission to withdraw from the contest and moved the unanimous election of Mr. Farquhar. This was done and amid a great outburst of enthusiasm all the officers were declared elected by a unanimous vote.

Mr. Farquhar was then escorted to the platform by Judge Vesey and in earnest words expressed his thanks for this demonstration, his appreciation of the honor and the responsibility which comes with it, and promised his best endeavors to promote the Society's interest, whereupon Miss Mary Hayden of Sam Murray's establishment, Kansas City, presented to the president-elect a magnificent bunch of American Beauty roses in a most gracious and charming manner.

Wallace Pierson then addressed the meeting in advocacy of the publicity



**FRANK
OECHSLIN'S
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ONLY EXCLUSIVE PLANT RANGE IN CHICAGO

All kinds of Plants. Everything that blooms for the Christmas trade and something for all the year round.

AZALEAS RHODODENDRONS CYCLAMEN EASTER LILIES POINSETTIAS HYDRANGEAS

Ferns for Dishes One of Our Specialties

Large stock of **Bostons** and **Whitmani Ferns**, **Palms**, **Dracaenas**, in variety, **Pandanus**, **Araucarias**, and other decorative stock.

Visitors are invited to see our houses, Madison Street Car, West to 48th — Greenhouses 3 Blocks South

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campaign inaugurated by the New York Florists' Club.

Mr. O'Mara took the floor and proposed a resolution of thanks to the Chicago Park Commission, Florist Club, Allied Trades and ladies for their magnificent hospitality.

W. F. Gude brought up the proposed Smith Memorial plan and a resolution recommending a pledge of \$1,000 by the Society was unanimously voted, after which individual subscriptions were made by members from the floor to the amount of \$1,100.

A communication from W. Atlee Burpee in reference to the Parcels Post legislation, was next presented and after discussion, a vote favoring genuine Parcels Post and in accord with Mr. Burpee's views was passed. Adjournment followed and the sporting events were then in order for the afternoon.

The Florists' Hail Association met on Thursday and re-elected all old officers, also Messrs. Ammann, Will Burke and Rasmussen as directors. Messrs. Valentine, Esler and Rasmussen were appointed to prepare amendments to the by-laws covering the readjustment of rates.

THE EXHIBITION.

This feature was by far the most important in the Society's history—a gigantic display which in the short time at our disposal, we cannot attempt to do justice to in this issue.

The plant exhibits not only were a conspicuous part of the whole, but were exceptionally well done for a trade exhibit and there were many notable firms represented. The parks—Garfield, Lincoln and Washington—all lent generously of their plants and

their displays formed the centers of the floor while around them were grouped tables of commercial plants. Robert Craig, W. A. Manda and H. A. Dreer all had fine showings of palms and decorative plants. F. R. Pierson Co. had their usual excellent display of grand ferns. Jos. Heacock Co. confined their exhibit chiefly to palms, kentias, both made-up and single, cibotiums, phoenix and small cocos. J. A. Peterson & Sons had splendid specimen plants of dracaena, Victoria and pandanus. Poehlmann Bros. Co., who are the latest Chicago firm to enter the plant field, made a creditable showing, considering their business is in its infancy. C. C. Pollworth Co., Chas. D. Ball, Jackson & Perkins Co., and estate of Lemuel Ball all had well selected groups of plants. S. A. Anderson had a table of well-grown cyclamen and Begonia Gloire de Lorraine. Michell's Seed Store was also represented by a good display.

The ribbon houses were well represented and their novelties made a feature in the decorative scheme of the great hall, where lately great conventions had made history. Most of them occupied spaces bordering the walls, under the galleries, and were filled with all that human brain could devise to allure the florist to part with his dollars. Schloss Bros. had a Bon Voyage ribbon for the steamer bouquet among other novelties. There was no end to the corsage novelties. Lion & Co. showed the colonial cup of rubber for the stems instead of tin-foil. Various dress shields of velvet, satin, etc., were seen in all the exhibits. Pennock-Meehan Co. had a very complete line of chiffons and the lace edged chiffon ribbon at Werthei-

mer's made one wonder what more was left for the designer of beautiful things.

Gladioli made a showy and interesting display and anyone seeing the excellent varieties there could hardly be excused for growing poor sorts next year. Some of the exhibitors could not do themselves justice owing to the recent storms their stock had suffered from. A. E. Kunderd, who specializes in the ruffled varieties, said a severe rain storm accompanied by hail swept the field the night previous to cutting and a rainfall of fourteen inches was recorded. A White Glory (not yet registered) and a ruffled red maroon, possibly to be named Chicago, were conspicuous among the Kunderd varieties. Cushman Gladiolus Co. had a large exhibit and included two large baskets of Mrs. Francis King and Klondyke. The John Lewis Childs exhibit was large and included many good things. B. Hammond Tracy, Arthur Cowee, E. E. Stewart and others all had exhibits of merit.

Among the new offerings was a device for tying carnation and chrysanthemum plants by Williams' Florist Supply House, Utica, N. Y. It was a simple arrangement and practically demonstrated. The originator had a gratifying pile of orders and many were large second orders from those who had tried and found them "just the thing."

M. Rice & Co., of Philadelphia, made a superb display of florists' supplies, rich in novelties and covering all classes of choice decorative material and sundries. No finer show of such a nature has ever been placed before the convention visitors.

The Bayersdorfer exhibitors

THE FLORISTS' HAIL ASSOCIATION OF AMERICA.

Secretary's report for Year Ending August 1st, 1912.

The insurance on glass effective at present date, in The Florists' Hail Association, sub-divided by States, is as stated below.

	Single thick glass.	Double thick glass.	Single thick glass. Extra one-half.	Double thick glass. Extra one-half.	Single thick glass. Extra whole.	Double thick glass. Extra whole.	Losses paid Aug. 1, 1911 to Aug. 1, 1912.
Alabama		15,900					
Arkansas	1,650	24,500					\$251.09
Colorado	518,972	826,418	146,091	88,860	254,314	573,198	1,750.39
Connecticut		124,621		43,986		2,100	12.39
Delaware	60,320	11,157				4,200	
Florida	24,150	52,050					
Georgia	28,638	44,362					
Illinois	264,721	3,380,715	66,339	476,687	70,222	643,370	2,875.94
Indiana	301,754	1,693,798	29,267	425,095	94,827	123,690	1,448.12
Iowa	318,879	1,611,984	28,740	577,913	74,323	319,263	3,549.00
Kansas	474,636	779,411	56,742	70,890	261,889	450,434	22,746.49
Kentucky	66,125	179,141	1,500	4,600	26,396	33,980	
Louisiana		5,320					
Maine	2,724	43,229	1,000	3,000	1,100		
Maryland	110,865	126,751	7,665	7,228	8,900	21,758	
Massachusetts	6,350	164,611	1,100	20,000			
Michigan	167,025	939,283		157,744	7,644	135,210	26.25
Minnesota	77,118	1,363,362	6,290	50,941	24,351	692,200	131.67
Mississippi	2,000						
Missouri	1,011,362	1,552,132	129,503	250,605	405,730	1,054,864	8,814.38
Montana	128,800	21,956			2,800	2,556	
Nebraska	332,784	312,111	103,944	105,413	99,012	118,615	286.99
New Hampshire	900	37,798					
North Carolina	11,715	46,719	3,750				
North Dakota		51,710		12,200		26,050	211.49
New Jersey	36,746	1,398,461		201,958		25,006	
New Mexico	4,768	18,430			4,768	18,430	
New York	110,241	736,222	750	33,730	1,800	45,580	27.29
Ohio	669,682	2,603,126	86,202	421,729	58,150	385,501	203.56
Oklahoma	113,973	103,758		6,000	85,764	97,063	213.14
Pennsylvania	415,967	3,502,909	43,460	201,242	84,291	667,777	40.18
Rhode Island	400	10,935			400	10,935	
South Dakota	47,010	56,872			37,900	20,097	366.20
Tennessee	11,300						
Texas	141,116	346,903		17,658	41,231	98,895	197.40
Virginia	45,677	132,433			1,982	28,513	
Washington	12,910						
West Virginia	5,440	27,787					
Wisconsin	87,334	483,461	6,839	4,450	9,250	28,329	1,003.42
Wyoming	11,940	20,361	4,940	131	7,000		
Dist. Columbia	7,744	71,576			4,220	71,576	
Canada	6,268	174,442	2,762		2,506	78,042	
	5,640,004	23,098,718	726,884	3,151,860	1,670,830	5,777,732	\$14,155.30

The above is equivalent to an insurance upon 38,141,656 square feet of glass.

The total receipts for the year ending Aug. 1, 1912, and including last year's balance, as per Treasurer's report, have been \$61,834.37.

The total expenditures, as per Treasurer's report have been \$57,458.56.

The cash balance on hand is \$4,375.81, of which \$1,077.90 belongs to the Reserve Fund.

The Reserve Fund now amounts to \$28,077.90, of which \$27,000 is invested in excellent securities and \$1,077.90 cash in hands of the Treasurer.

The amount of interest collected on Reserve Fund investments for the year is \$987.59.

The amount of interest collected on bank deposits for the year is \$123.49.

Interest refunded on bond purchase \$5.84.

Losses representing a breakage of 196,715 square feet of single thick glass and 241,897 square feet of double thick glass, have been paid during the year.

1,832 losses have been adjusted since the organization of the F. H. A., involving a total expenditure of more than \$262,000.

The number of members is 1,682.

The liability of the Association is \$15,000, borrowed from Jenkintown National Bank, and secured by Reserve Fund Collateral.

Summary of Treasurer's Report.

Dr.	
To balance on hand Aug. 1, 1911	\$10,246.79
To total receipts for year ending Aug. 1, 1912	51,587.58
	\$61,834.37
Cr.	
By losses paid Aug. 1, 1911-Aug. 1, 1912	\$44,155.30
By expenses	3,414.09
By investments	659.17
Miscellaneous	3,300.00
By balance on hand	4,375.81
	\$61,834.81

Signed, JOSEPH HEACOCK, Treasurer.

Philadelphia, August 1, 1912.

We have audited the accounts of the Treasurer and the Secretary of the Florists' Hail Association of America for the period from August 1, 1911, to July 31, 1912. We have verified the balance on deposit with the Jenkintown National Bank, amounting to \$4,375.81, and examined securities held as investments and pledged to secure loans, and we certify that the foregoing is a correct statement of the receipts and disbursements during the period.

PRICE, WATERHOUSE & COMPANY,
Chartered Accountants.

stunner and demonstrated once again that Philadelphia leads the country in the department of florists' supplies. We noticed many meritorious novelties here which we hope to mention in detail later on. Business was hum-

ming at the Bayersdorfer & Co. end of the hall.

Space will permit of but brief mention of the many and varied exhibits at present:

A. L. Randall Co., Chicago, cut flowers

The following table shows losses reported to the Secretary for the past twenty-five years, and number of claims paid.

STATES.	No. of hailstorms from June 1, 1887, to Aug. 1, 1912.	No. of losses paid from June 1, 1887, to Aug. 1, 1912.	No. of hailstorms during year ending Aug. 1, 1912.	No. of losses paid during year ending Aug. 1, 1912.
Alabama	4	1	1	1
Arkansas	5	2	1	1
California	1	1	1	1
Colorado	71	169	5	13
Connecticut	12	2	2	1
Delaware	4	1	1	1
Florida	1	1	1	1
Georgia	6	1	1	1
Illinois	143	140	9	12
Indiana	65	65	3	5
Iowa	134	209	9	19
Kansas	165	317	17	62
Kentucky	21	14	2	1
Louisiana	5	2	1	1
Maine	3	1	1	1
Maryland	21	11	1	1
Massachusetts	13	1	1	1
Michigan	34	18	1	1
Minnesota	59	69	3	3
Mississippi	2	1	1	1
Missouri	125	284	5	46
Montana	3	2	1	1
Nebraska	75	42	3	3
New Hampshire	7	1	1	1
New Jersey	86	11	1	1
New Mexico	7	7	1	1
New York	113	20	4	1
North Carolina	6	3	1	1
North Dakota	8	4	1	2
Ohio	109	104	1	1
Oklahoma	26	35	1	6
Pennsylvania	106	93	12	10
Rhode Island	4	1	1	1
South Carolina	1	1	1	1
South Dakota	25	28	1	1
Tennessee	2	1	1	1
Texas	36	21	1	1
Vermont	3	1	1	1
Virginia	7	4	1	1
West Virginia	12	4	1	1
Wisconsin	40	43	4	6
Wyoming	5	6	1	1
Dist. Columbia	5	1	1	1
Canada	6	5	1	1

The year 1912 has proven disastrous. Losses have been excessive and in many instances have been repeated in the same locality as many as three times in succession. While hail storms have prevailed in many localities, those of especial violence occurred in the neighborhood of Wichita, Kansas, and Kansas City, Missouri. Members of the F. H. A. who have escaped loss this year have had to congratulate themselves.

The efficiency of The Florists' Hail Association has been thoroughly proven, and, while it has been necessary to borrow liberally, using Reserve Fund Securities as collateral, there has been no delay in the prompt payment of losses. The 24th Assessment has been ordered for Sept. 15, 1912, in order to meet the liabilities incurred, and restore the Reserve Fund intact.

The thanks of the Association are due Messrs. J. F. Ammann, Samuel Murray, A. F. Barbe and Arthur Newell for valuable assistance rendered in the adjustment of losses.

JOHN G. ESLER, Secretary.

and supplies: Arthur T. Boddington, New York, forcing bulbs; The Brecht Co., St. Louis, Mo., handsome refrigerators; Ionia Pottery Co., Ionia, Mich., flower pots; H. G. Dreyer & Son, Cleveland, O., florists' equipment; Burlington Willow Ware Shops, Burlington, Ia., basket novelties; Illinois Flower Box Co., Chicago, Ill., self-watering plant boxes; W. H. Elverson Pottery Co., New Brighton, Pa., flower pots; Universal Portland Cement Co., Chicago, Ill., greenhouse construction; O. F. Zurn Co., Philadelphia, Pa., "Shadeline"; Benjamin Hammond, Fishkill-on-Hudson, N. Y., paints and insecticides; Skinner Irrigation Co., Troy, O., watering system; American Blower Co., Detroit, Mich., steam traps;

Standard Pump and Engine Co., Cleveland, O., water supply systems; B. F. Goodrich Co., Akron, O., rubber hose; Revere Rubber Co., Chelsea, Mass., Revere hose; Raedlein Basket Co., Chicago, Ill., flower baskets; Detroit Flower Pot Co., Detroit, Mich., flower pots; Jac Lederer, Chicago, Ill., Peerless refrigerators; Roseville Pottery Co., Zanesville, O., decorative pottery; New York State College, Ithaca, N. Y., exhibit of diseases of florists' crops; Bassett & Washburn, Chicago, Ill., cut flowers; Philip L. Carbone, Boston, Mass., art china and pottery; Charles Eble, New Orleans, La., palms; F. R. Pierson Co., Tarrytown-on-Hudson, N. Y., fine display of fall bulbs; S. S. Pennock-Meehan Co., Phila., Pa., superb display of ribbons; Holton & Hunkel Co., Milwaukee, Wis., plants; Natural Guano Co., Aurora, Ill., guano; Lord's Frost Proof Plant Box Co., Minneapolis, Minn., new way flower and plant boxes; R. & J. Farquhar & Co., Boston, Mass., collection of high-class Dutch bulbs; Jackson & Perkins Co., Newark, N. Y., plants and shrubbery; Michell Seed House, Phila., Pa., forcing bulbs and gladioli blooms; J. J. Williams, Utica, N. Y., carnation tie; C. Keur & Sons, Hillegom, Holland, Dutch bulbs; Boston Florist Letter Co., Boston, Mass., letters and inscriptions; Richmond Cedar Works, Richmond, Va., plant tubs; Frank Oechsli, Chicago, Ill., palms and decorative plants; Knight & Struck, New York, N. Y., ericas; Vaughan's Seed Store, Chicago, Ill., decorative plants; William Scott Co., Buffalo, N. Y., Lorraine begonias; H. N. Bruns, Chicago, Ill., lily of the valley; Sefton Manufacturing Co., Chicago, Ill., flower boxes; Oscar Leistner, Chicago, Ill., oak sprays; Poehlmann Bros. Co., Chicago, Ill., florists' supplies; Botanical Decorating Co., artificial flowers; L. Baumann & Co., Chicago, Ill., florists' supplies; Lager & Hurrell, Summit, N. J., orchids; Joseph Heacock Co., Wyncote, Pa., palms; Storrs & Harrison Co., Painesville, O., florist plant stock; A. A. Arnold, Chicago, flower boxes; George Wittbold Co., Chicago, Ill., specimen plants and ferns; S. A. Anderson, Buffalo, N. Y., cyclamen and Lorraine begonias; Robert Craig Co., Phila., Pa., ericas of unrivalled beauty; American Auxiliary Heating Co., Boston, Mass., Castle automatic circulator; Reading Iron Works, wrought iron pipe; Morehead Manufacturing Co., Detroit, Mich., steam traps; G. E. Travis Co., Henry, Ill., rocker grates; John A. Evans, Richmond, Ind., ventilating apparatus; A. Deitsch Co., Chicago, Ill., greenhouse material; John C. Moninger Co., Chicago, Ill., greenhouse construction; Advance Co., Richmond, Ind., ventilating apparatus; Hitchings & Co., Elizabeth, N. J., greenhouse construction and heating; Lord & Burnham Co., Irvington, N. Y., greenhouse construction; American Gladiolus Society, display of blooms; Means & Thatcher, Boston, Mass., greenhouse paint; Vaughan's Seed Store, Chicago, Ill., extensive display of bulbs, gladiolus and gladiolus blooms; B. Hammond Tracy, Wenham, Mass., gladioli; W. W. Barnard Co., Chicago, Ill., seeds, bulbs and supplies; Pulverized Manure Co., Chicago, Ill., Wizard brand manures; United Fertilizer Co., Chicago, Ill., Evergreen brand fertilizer; Quaker City Rubber Co., Phila., Pa., rubber hose; A. Henderson & Co., Chicago, Ill., seeds, plants and bulbs; Lemon Oil Co., Baltimore, Md., insecticides; Aphine Manufacturing Co., Madison, N. J., insecticides and fungicides; Kroeschell Bros. Co., Chicago, Ill., splendid exhibit of boilers; George M. Garland Co., Des Plaines, Ill., greenhouse construction; Foley Manufacturing Co., Chicago, Ill., greenhouse construction; Superior Machine and Boiler Works, Chicago, Ill., boilers.

THE LADIES' S. A. F.

The Ladies' Society of American Florists had a temporary office at the door and thirty new members were secured, making a total membership in good standing of about 300. The regular meeting of the society was held in the Auditorium, Wednesday A. M., and there was about 75 per cent. of the members present, Mrs. Boone, presiding. An address of welcome was given in behalf of Chicago by Mrs. John Worthy, after whose husband the John Worthy School for Delinquent Children was named, and whose founder, Mrs. Worthy, president of the Chicago Woman's Out Door Art League. Her remarks pertained to the great

good the club had accomplished in Chicago. Mrs. F. H. Traendly of New York responded and presented a bouquet of American Beauties to Mrs. Worthy in behalf of the L. S. A. F. The reading of the report of the secretary and treasurer showed the society to be in a gratifying condition numerically and financially, and some minor changes in the constitution were made. It was also voted to provide the secretary with an expense fund of fifty dollars per year. The election of officers followed Thursday morning. Mrs. F. H. Traendly was elected president, Mrs. C. M. Kellar, vice-president. The other officers were re-elected.

FLORISTS' TELEGRAPH DELIVERY ASSOCIATION.

On Wednesday afternoon the Florists' Telegraph Delivery Association held a meeting and the following officers were elected: President, I. Bertermann; vice-president, W. F. Gude; secretary, Albert Pochelon; treasurer, W. L. Rock. The old board of directors were re-elected.

CONVENTION NOTES.

Maurice Fuld will address the Gardeners' Club, Lake Forest, next Tuesday, on Gladioli and Dahlias.

On Wednesday evening Fred Brown delivered his lecture on floral designing, which gave much pleasure.

Wednesday afternoon a large party went to Morton Grove on invitation of Poehlmann Bros. to inspect their big establishment. Another party of about one hundred went to Maywood to visit the A. F. Amling Co., and other establishments. They were taken by auto to Elmhurst to visit Wendland and Kleimmel and then back to Forest Park for supper.

The attendance of ladies at the convention was noticeably strong, a good proportion being members of the L. S. A. F. They were given a cordial welcome as soon as they stepped into the Coliseum and a committee immediately took charge of them. Mrs. Boone, of Baltimore, and Mrs. Maynard, of Detroit, president and secretary of the Ladies' S. A. F., were given a delightful treat on Wednesday. Two hundred and twenty-five were at the Auditorium in response to an invitation to lunch at the South Shore Country Club, and traverse the 55 miles of boulevard connecting the Chicago parks, in automobiles. A more delightful trip could scarcely be found and a perfect day added to the enjoyment.

NEW YORK TO CHICAGO.

The usual happy crowd was in evidence when "The Mohawk" train pulled out of the Grand Central Station on Monday A. M., under the experienced guidance of Frank Traendly. There were not so many as on some former occasions, but counting the ladies, they numbered close to half a hundred—a good showing when it is remembered that reduced rates are no longer granted by the railroads. The trip was without special interest. A mild, companionable hilarity prevailed, but the boisterousness of the memorable trip to the first Chicago convention twenty-five years ago was absent and it is very evident that the florists of today have their predecessors beaten to a standstill when it comes to civilization. A fine array of re-

Horseshoe Brand Lily Bulbs

The crops of all early forcing lily bulbs of good quality are very short this year, owing to a lack of rain at the proper time. At such times many bulbs of inferior quality find a ready sale in the market. Those who want good lily bulbs should therefore not delay a day in placing their orders. The following are the revised prices for Horseshoe Brand bulbs, the best produced in the World. Immediate delivery.

LILIUM HARRISII.

From the celebrated Stephens Bros. fields.
Size 5/7 in., \$15.00 per case of 100 bulbs.
" 6/7 in., 13.50 per case of 335 bulbs.
All larger sizes are sold.

LILIUM FORMOSUM.

Excellent stock—extra in size and quality.
Size 6/8 in., \$20.00 per case of 400 bulbs.
" 7/9 in., 22.50 per case of 300 bulbs.
" 8/10 in., 22.50 per case of 250 bulbs.
" 9/10 in., 22.00 per case of 200 bulbs.
" 9/11 in., 19.80 per case of 180 bulbs.
" 10/11 in., 18.00 per case of 150 bulbs.
" 11/13 in., 18.00 per case of 120 bulbs.
We advise early orders—very limited stock.

LILIUM GIGANTEUM—(to arrive soon).

Size 6/8 in., \$16.00 per case of 400 bulbs.
" 7/8 in., 16.00 per case of 350 bulbs.
" 7/9 in., 16.00 per case of 300 bulbs.
" 8/10 in., 22.50 per case of 250 bulbs.
" 9/10 in., 22.00 per case of 200 bulbs.
" 9/11 in., 21.80 per case of 180 bulbs.
" 10/11 in., 22.50 per case of 150 bulbs.
" 11/13 in., 24.00 per case of 120 bulbs.

The above Giganteum are from the finest fields in Japan. Prices on Auratum, Rubrum, Magnificum, Album, etc., etc., upon application.

FRENCH BULBS.

From the celebrated fields of Martial Bremond, world's largest grower of French Bulbs.

Paper White Grandiflora.

	Per 1,000	Per 10,000
13 cm. and up.	\$8.00	\$75.00
14 cm. and up.	10.00	90.00
15 cm. and up.	13.00	120.00

Prices are F. O. B. New York City, duty paid, terms three months or 2 per cent. ten days. A special discount of 5 per cent. will be granted only when cash accompanies the order.

Write for the Book of Bulbology.



Not How Cheap
But How Good

Ralph M. Ward & Co.

71 Murray Street

NEW YORK CITY

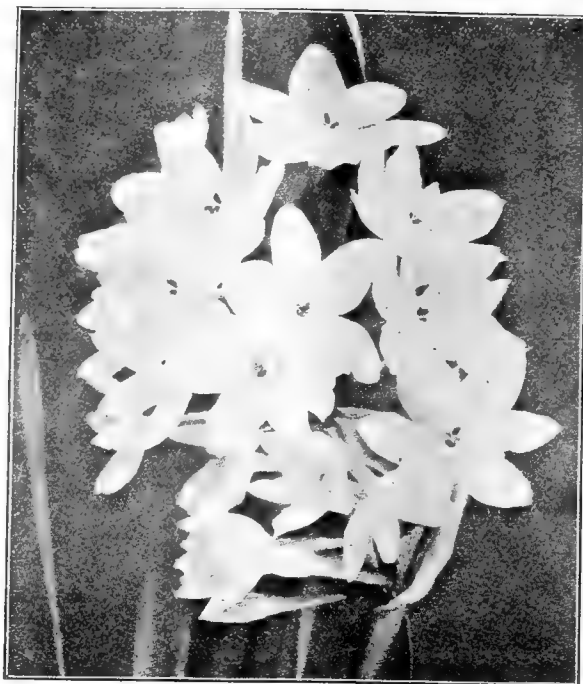
freshments had been thoughtfully provided, and attention to this department divided with discussions on the proposed changes in by-laws attracted the attention of the members. One car was filled with gentlemen only, the ladies with their escorts being accommodated in the other.

BOSTON TO CHICAGO.

E. Allan Peirce succeeded in getting a nice carload of Bostonians for the convention trip and the start was made in good form on Sunday afternoon from the South Station, despite a pouring rain.

Rochester, N. Y.—To commemorate the consolidation of the various concerns interested in the Vick consolidation plans are being made to hold a "Vick-Pick-Nick," the officers for which are announced as follows:

Schuyler Arnold, chairman; Miss Burns, chairmaness; Miss Klotz, chairmaness; Miss Gage, chairmaness; Albert Vick, vice-chairman; Mort Hogan, assistant chairman; Stephen Peachy, lieutenant chairman.



EASTER COMES EARLIER!

So Do Not Be Caught Napping

5 to 7 St. David's Harrisii, plump bulbs....	100	1000
7 to 9 St. David's Harrisii, plump bulbs....	\$5.00	\$48.00
9 to 11 Very scarce.....	20.00	85.00

WHITE ROMAN HYACINTHS

11 to 12 Cts., Extra bulbs.....	100	1000
12 to 15 Cts., Extra bulbs.....	\$2.25	\$21.00
13 to 15 Cts., Extra bulbs.....	2.75	25.00
	3.25	30.00

PAPER WHITES FANCY

\$1.15 per 100; \$8.50 per 1000

FREESIAS

Mammoth, \$1.00 per 100; \$9.50 per 1000

WM. ELLIOTT & SONS
42 VESEY ST., NEW YORK

Clubs and Societies

CANADIAN HORTICULTURAL ASSOCIATION.

This organization held its fifteenth annual convention in Fraser Hall, Montreal, opening on Tuesday, August 6, and continuing for three days. At the opening session, Tuesday afternoon, President A. C. Wiltshire delivered his address and Secretary-Treasurer Jules Luck made his annual report. About 200 members and visitors were present. There was an interesting program of essays and business discussions during the three days in which the principal talkers were George M. Geraghty, Thomas Manton, H. Dilleuth, W. Gammage, H. B. Cowan, and P. Welch of Boston. Officers were elected on Thursday as follows:

President—W. Muston, Davisville, Ont.
First Vice-President—H. B. Cowan, Peterboro.

Second Vice-President—George Hopton, Montreal.

Secretary-Treasurer—Jules Luck, Montreal.

Executive Committee: M. Milford, Sherbrooke; E. Wise, Peterboro; A. Ferguson, Montreal; J. Graham, Ottawa; A. H. Ewing, Woodstock; H. G. Mullis, Brampton; A. Amodeo, Toronto; F. S. Chaseman, London, Ont.; E. I. Mepstead, Ottawa.

Representatives to Toronto Exhibition—H. Simmers, Toronto; to Ottawa Exhibition, E. I. Mepstead and C. Craig, Ottawa; to London Exhibition, W. W. Gammage and H. Dicks, London.

Auditors—Jos. Bennett, Lachine, and James McKenna, Montreal.

Peterboro was selected as the place for the next meeting. Many visits were made and hospitality was lavish everywhere. On the closing day the Association and visitors were guests of the city of Montreal in the forenoon and in the evening the Association banquet was held in Stanley Hall and many toasts were responded to. A handsome clock was presented to Mr. Wiltshire by the Association as a token of their appreciation of his services. P. Welch, of Boston, made the presentation. H. B. Cowan then pre-

sented Mrs. Wiltshire with a gold watch amid much cheering. Both Mr. and Mrs. Wiltshire acknowledged in few words of thanks.

The proceedings were enlivened by music, songs and recitations.

It was pronounced the most successful meeting the Association has ever had.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The monthly meeting of this society was held at Glen Cove, N. Y., on Aug. 14th, with a good attendance. Asters were exhibited at their best by Messrs. Barton, Boettcher and MacCarthy. J. W. Everett exhibited some fine melons (new seedling) and was awarded a certificate of culture. He also received a certificate of culture for a fine vase of *Lycoris squamigera*. H. Boettcher was awarded a certificate of culture for 12 vases of asters all of them good. Honorary mention to F. Petroccia and J. Marmolote for tomatoes and cucumbers. The society's prize for asters went to G. Barton, and for melons and corn to J. W. Everett. Mrs. J. H. Otley offered a silver cup for the best 18 Killarney roses to be competed for at the fall exhibition. H. Ortiz was elected an honorary member. It was decided to have the annual summer outing at Karatzonyi's, Glenwood, on Aug. 27th. The next meeting's prizes will be for 12 gladiolus, 6 onions and 3 heads of celery.

JAMES MacDONALD, Cor. Sec.

ST. LOUIS FLORIST CLUB.

A very harmonious meeting was held by this club last Thursday afternoon. The great importance of the meeting was the annual election of officers and S. A. F. convention matters. Thirty-five members were present. The trustees read a final report of the clubs' picnic which was held at a recent date.

In the election for president the first ballot resulted in a tie between F. H.

Weber and Jules Burdet, the next one resulting in the election of Fred H. Weber; for vice president Chas. Young was elected; secretary, J. J. Beneke; treasurer, W. C. Smith; three year term trustee, Wm. Ossic; two year term, John Connon. The installation will take place at the next meeting September 12th, 1912.

CLUB AND SOCIETY NOTES.

The Yonkers Horticultural Society will hold their Chrysanthemum Show in the Armory, October 29, 30, 31.

At the annual meeting of the White River (Vt.) Horticultural Society it was voted to hold their third annual show about the first of October and to offer premiums to the value of \$400.

The regular meeting of the Tuxedo Horticultural Society was held in August. It was decided to set the date for the fall show October 26th to 27th. August 14th the picnic was held at Camp Comfort, Mombasha Lake. Carl D. Schaeffer at the July meeting offered a special prize of five dollars to anybody in Tuxedo Park growing a pumpkin to weigh not less than 100 lbs., to be exhibited at the fall show.

The garden committee of the Massachusetts Horticultural Society viewed 20 acres of gladioli at Cedar Acres, Wenham, Mass., on August 15. The committee consisted of President C. W. Parker, W. P. Rich, Jackson Dawson, Thomas J. Grey, William Nicholson, Charles Sander, T. D. Hatfield and A. H. Fewkes. They also inspected the shipping house and storage bins. Luncheon was served in the house after which the party motored to Redgate, the summer home of President C. W. Parker.

As announced in our advertising columns, the time-honored annual auction sale for choice of stalls at the Boston Flower Exchange will begin at 9 A. M., Saturday, August 31, at the Market, C Park street, Boston, Mass.

TWO IMPORTANT NEW COMMERCIAL FERNS



Cyrtomium Rochfordianum

THE CRESTED HOLLY FERN

The Most Valuable Decorative Fern of Recent Introduction

A most important addition to our list of Ferns. Its foliage is of a rich, deep, glossy green color, the pinnae or leaflets besides being wavy or undulated are also deeply cut or toothed, giving the plant a graceful light appearance, which make it valuable not only as a dish Fern but decorative work and for apartment use.

2½ inch pots, 75 cts. per dozen; \$5.00 per 100; \$40.00 per 1000. Also a limited lot of flats of about 200 plants each, at \$3.00 per flat.

Adiantum Farleyense Gloriosa

THE GLORY FERN or RUHM VON MORDRECHT

The Fern Which Will Revolutionize the Cut Frond Business.

For the grower of Ferns for cutting this new Maiden Hair will undoubtedly prove a most important addition; it closely resembles Adiantum Farleyense and will make a splendid substitute for that fancy variety and it can be produced at much less cost, as it will thrive under conditions in which Adiantum Farleyense could not exist.

At our Riverview Nursery we have given it a very fair trial for this purpose during the past winter. A block of these plants were planted on a bench in a house devoted to the ordinary Boston Fern and received the ordinary treatment and temperature given to the Nephrolepis, and under this treatment they developed not only fronds of great beauty on longer, stiffer stems than Farleyense produces, but also many more fronds than would be developed by that variety in the same length of time under the most favorable condition.

such as Cuneatum, Croweanum and Hybridum, can

Anyone who successfully grows the ordinary varieties of Adiantum grow it under precisely the same conditions given to these sorts.

We have a fine block of about 30,000 young plants coming on which will be ready to send out in September from 2½-inch pots, and for which we are now booking orders at \$2.00 per doz.; \$15.00 per 100; \$140.00 per 1000.

FERNS IN FLATS

These flats contain about two hundred plants each, only one variety in a flat, and we cannot supply less than a full flat of any one of the following varieties:

ASPIDIUM TSUSSIMENSE
CYRTOMIUM FALCATUM
CYRTOMIUM FORTUNEI
POLYSTICHUM SETOSUM
PTERIS ADIANTOIDES

PTERIS ALBA LINEATA
PTERIS MAGNIFICA
PTERIS MAJUS OR OUVRARDI
PTERIS WIMSETTI MULTICEPS
PTERIS WILSONI

HENRY A. DREER, Inc., 714 CHESTNUT ST., PHILA., PA.

The above prices are intended for the trade only.

FERN SEEDLINGS

In the leading best varieties, ready now for potting. For assorted varieties, \$1.50 per flat; 10 flats at \$1.25 each; 50 flats at \$1.00 each. Plants packed out of flats for shipment, 110 clumps to a flat.

Kentia Belmoreana and Forsteriana, from 2½ inch pots, \$6.00 per 100; from 3 inch pots, \$12.00 to \$15.00 per 100.

PHOENIX ROEBELENI.

From 3½ inch pots, well rooted, ready for shifting, \$6.00 per dozen; \$40.00 per 100.

ASPARAGUS PLUMOSUS NANUS.

Transplanted Seedlings, well branched, from flats, \$1.50 per 100; also 2½ inch pots, \$3.00 per 100.

All express orders. Cash with order, please.

B. SOLTAU FERNERY

199 Grant Ave., Jersey City, N. J.

BEST PALMS

All Varieties. All Sizes.
Send for Price List.

Joseph Heacock
Wyncote, Pa.

WILLIAMS

EZ = $\frac{\text{Carnation and}}{\text{Chrysanthemum}}$ TIE

UTICA, N. Y.

BALTIMORE NURSERIES

CALIFORNIA PRIVET—Any quantity, size and age. No better grown. Shade and Ornamental Trees, Shrubs and Vines. Full line of Fruit Trees and Plants.

Get our prices and catalogue

FRANKLIN DAVIS NURSERY CO.
BALTIMORE, MD.

SEE

The Elizabeth Nursery Co.'s

Ad. in last issue. It may interest you.

POINSETTIAS

June and July Delivery

We will have a fine lot ready early in July. Extra Strong 2½-in. pot plants, \$5.50 per 100, \$50.00 per 1000. Strong 2½-in. \$5.00 per 100, \$45.00 per 1000.

A. HENDERSON & CO.
352 N. Michigan Ave. CHICAGO

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. sago Bedford BROOKLYN, N. Y.

PHILADELPHIA NOTES.

W. Helper of M. Rice & Co., has started on his first trip. Look for him, he will be calling on you shortly.

Charles F. Edgar, well known in local circles, goes from here to occupy an important position in the retail life of Washington, D. C.

Mr. and Mrs. Bernard Eschner of Elkins Park, spent the week end at Atlantic City in honor of the 77th birthday of Mrs. Eschner's mother. Mrs. Hyman H. Herzberg.

John W. Duncan, late of the Boston Parks, now superintendent of the park system of Spokane, Wash., was a welcome visitor on the 20th inst., taking in Dreer's and other points of interest in Phila.

C. H. Grakelow, one of the bright retailers of Philadelphia, has been absent from his usual haunts for many days. The latest heard from him is addressed to Capt. Davis of the Nissen Co., dated Los Angeles, Cal.

Of course we went to see the Philadelphia contingent off to Chicago. The train was half an hour late; but as the commodore said: "that is nothing strange for the B. & O." They were a merry party, and though fewer than usual lacked nothing in enthusiasm.

This has been a busy week at Craig's. Orders from Chicago have been coming in thick and fast. The powerful combination of Craig quality with the persuasive personalities of Bill and Van—aided and abetted by the old War Horse—has evidently turned the trick.

J. S. Butterfield and Mrs. Butterfield blew into our midst on the 16th inst. on their way back from the Railroad Gardeners' Convention at Roanoke. Mr. Butterfield is the "Paul Huebner" of the Missouri Pacific—with headquarters near Kansas City. He has the gardening interests of some seven thousand miles of track under his care. That's some railroad! He states that the convention was a great success and very enjoyable. The Association now numbers over one hundred members which is a good showing for the limited field.

Visitors: C. C. Austerman of Austerman & Steele, Springfield, Mass.; Mr. Siebrecht, Siebrecht & Siebrecht, wholesale florists, New York City.

CINCINNATI NOTES.

The Toomey Flower Shop is moving to the next door south; the new store room is much more commodious than the old one.

About forty-five left this city at noon on Monday on the "Florists' Special," bound for the convention. C. E. Critchell, state vice-president, and A. C. Heckman, Jr., headed the party. E. G. Gillett's midnight party was up to its quota.

Visitors, most of them on the way to Chicago, were Mr. and Mrs. C. W. Crouch, Knoxville, Tenn.; S. M. Harbison, Danville, Ky.; Mr. and Mrs. W. F. Haeger, Chattanooga, Tenn.; Chas. L. Baum, Knoxville, Tenn.; William Lodder, Hamilton, Ohio; L. D. Thompson, Atlanta, Ga.; W. A. Hollingsworth, Atlanta, Ga.; Mr. and Mrs. Chas. Dietrich, Maysville, Ky.; J. M. Garvey, Indianapolis, Ind.; Mr. and Mrs. O. C. Heberling and family, from Georgetown, D. C.

PANSIES



S. & W.
Co.'s
Famous
Named
Giants

	Trade pkt.	¼ oz.	Oz.
ADONIS. Beautiful light blue.....	\$0.20	\$0.50	\$1.50
AZURE BLUE.....	.20	.75	2.00
EMPEROR WILLIAM. Deep blue, purple eye.....	.20	.75	2.50
FIRE KING. Beautiful reddish yellow, brown center.....	.20	1.25	4.00
FAUST. Black.....	.20	.75	2.00
LORD BEACONSFIELD. Deep purple, violet edged light blue.....	.20	.75	2.50
MASTERPIECE.....	.25	1.50	5.00
PRESIDENT CARNOT. White, each petal adorned with a deep violet blotch.....	.25	1.75	6.00
PURPLE. A very striking shade of purple.....	.20	.50	1.50
SNOWFLAKE. Pure white.....	.20	.75	2.50
WHITE. With dark eye.....	.20	.75	2.00
YELLOW. Pure.....	.20	1.25	4.00
YELLOW. With dark eye.....	.20	1.00	3.00
S. & W. CO.'S FAMOUS NAMED GIANTS, MIXED. Taken from the above named varieties.....	.10	.65	2.00

S. & W. CO.'S FAMOUS "NON PLUS ULTRA" PANSY

It is impossible to conceive of a better strain of Pansies. For years we have supplied this strain of Giant Flowering Pansies to the Park Departments and Leading Florists of many cities. The Mixture is not only evenly proportioned, but is positively selected from the choicest blooms. Size and vigor, as well as profuse blooming qualities, have been the fundamental principle of selection. Trade packet, 25c.; ¼ oz., \$1.50; oz., \$5.00.

	Trade pkt.	¼ oz.	Oz.
ENGLISH. Fine Mixed, Giant flowering sorts.....	\$0.10	\$0.35	\$1.00

NEW CROP CYCLAMEN SEED

S. & W. Co's. Giant Strain

Flowers of extraordinary size and of great substance. The leaves are proportionately large and beautifully marked.

	100 Seeds	1000 Seeds
S. & W. CO.'S GIANT, Salmon Red	\$1.25	\$10.00
" " " Rose	1.00	7.00
" " " Pure White	1.00	7.00
" " " Dark Red	1.00	7.00
" " " Lilac	1.00	7.00
" " " Cattleya Purple	1.00	8.00
" " " Rose Salmon	1.25	10.00
" " " Pale Rose	1.00	7.00
" " " White (Red Eye)	1.00	7.00
" " " Light Red	1.00	7.00
" " " White (Striped Violet)	1.00	7.00
" " " Prize Mixed .....	.75	6.50
" " " VICTORIA, Beautiful, Fringed White and Rose Flowers	1.25	10.00

Stumpp & Walter Co. 50 Barclay St.
NEW YORK



Boddington's "Quality"
Christmas-Flowering

SWEET PEAS

WE ARE SUPER-HEADQUARTERS

All true stocks of Winter-flowering Sweet Peas will be scarce this season. Some varieties are a total failure owing to the exceptional season in California this Spring. Our advice to intending planters is to order at once. Mr. Wm. Sim, Cliftondale, Mass., the great Winter Sweet Pea Specialist, sows our seed almost exclusively.

Our stock of Christmas-flowering Sweet Peas have stood the test for years, and we can refer you to the largest growers of this increasingly popular flower, as to the trueness and quality of our seed, earliest of blooming period and strength and habit of plants.

The following varieties are the "best by test" and include Zvolanek's and our own introductions, grown for seed from selected stocks by the leading California grower and specialist in Sweet Peas.

Our output last year was nearly 3000 lbs. Few kicks and plenty of testimonials as to quality, germination and trueness to type.

FILL OUT COUPON BELOW AND RETURN

We can make immediate delivery on all the following varieties.

- Quantity
-BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOW BIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year; name on application. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

.....BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50.

.....BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50.

.....ANGELINO. Self pink; new variety. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$4.50.

.....CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz., 35 cts.; ¼ lb., \$1.00; ½ lb., \$1.75; lb., \$3.00.

.....CHRISTMAS METEOR. Scarlet; fine open red flower. Oz., 35 cts.; ¼ lb., \$1.00; ½ lb., \$1.50; lb., \$2.50.

.....CHRISTMAS STELLA MORSE. Creamy buff standard, wings slightly tinged with pink. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$4.50.

.....FLAMINGO. Color scarlet; free-flowering and early. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.00.

.....FLORENCE DENZER. Pure white. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

.....LE MARQUIS. This is the same color as Princess of Wales, violet; has very large flowers. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

.....MRS. ALEX. WALLACE. Lavender; very scarce. Oz., 35 cts.; ¼ lb., \$1.00; ½ lb., \$1.50; lb., \$2.50.

.....MRS. F. J. DELANSKY. Daybreak pink. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.25; lb., \$4.00.

.....MRS. GEO. LEWIS. Large, pure white, wavy flower. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50.

.....MRS. E. WILD. Carmine or dark pink. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50.

.....MRS. HANNAN. Deep rose-pink; very pleasing shade. Oz., 40 cts.; ¼ lb., \$1.25; ½ lb., \$2.00; lb., \$3.50.

.....MRS. W. W. SMALLEY. Satiny pink. Oz., 35 cts.; ¼ lb., \$1.00; ½ lb., \$1.75; lb., \$3.00.

.....MRS. WILLIAM SIM. Salmon-pink. Oz., 30 cts.; ¼ lb., \$1.00; ½ lb., \$1.50; lb., \$2.50.

.....MRS. ZVOLANEK. Blue, variegated. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.00.

.....MISS HELEN M. GOULD. White, open flower; standard lilac, marbled. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

.....MISS JOSEY REILLY. Lilac; very large flowers. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

.....WATCHUNG. Pure white. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

.....WM. J. STEWART. Blue self. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

All other varieties of Winter and Summer-flowering Sweet Peas supplied. Write for quotations.

5% MAY BE DEDUCTED IF CASH ACCOMPANIES THE ORDER.

Name.....

Address.....

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th Street,
New York City



HEADQUARTERS FOR FREESIA BULBS

FISCHER'S STRAIN PURITY

	100	1000
FIRST SIZE BULBS.....	\$1.75	\$16.00
MAMMOTH BULBS.....	2.50	22.50

BERMUDA WHITE

	100	1000
FIRST SIZE BULBS.....	\$.85	\$7.50
MAMMOTH BULBS.....	1.00	9.00

MICHELL'S STOCK PURITY

	100	1000
FIRST SIZE BULBS.....	\$1.25	\$11.00
MAMMOTH BULBS.....	2.25	20.00

CALIFORNIA GROWN

	100	1000
FIRST SIZE BULBS.....	\$.65	\$5.00
MAMMOTH BULBS.....	.85	7.50

Our Wholesale Catalogue of Bulbs, Seeds and Florists Sundries Mailed Free

HENRY F. MICHELL CO. 518 MARKET STREET PHILADELPHIA

Seed Trade

Competition Based on Quality.

The Secretary of Agriculture, Washington, D. C., has sent us the following communication:

A most hopeful sign, indicative of results largely attributable to the persistent efforts heretofore made by the United States Department of Agriculture in the line of seed testing, is manifest from an inspection of the catalogues of more than fifty of the principal seed dealers of the country.

All of the firms referred to make definite statements that they test their seeds for germination. Nine firms advise purchasers to send samples either to the seed testing laboratory of the United States Department of Agriculture or to a state experiment station to be tested. Seven firms state that they themselves follow this course in regard to the seeds they offer and that the seeds are thereby officially guaranteed to be of the high grade represented. Six firms allow a stated time for making a test, advise purchasers to make such test on receipt of seeds, and request the return of seeds which do not satisfactorily meet the test.

Five firms state that the seeds they are selling comply with state laws, and a number of firms give the percentage of purity and germination in compliance with state laws.

These statements indicate that competition between seed dealers is becoming more and more a competition based on quality—a healthy tendency from the standpoint of both customers and honest dealers.

The Bourne Bill Condemned.

The Association of Hammonton (N. J.) Dahlia Growers, at its last meeting, passed the following resolution:

Whereas, There is pending in Congress a bill known as the "Bourne Parcels Post Bill," which bill in its present shape, as reported by "The Florists Exchange," we consider detrimental to our business interests, and

Whereas, We are in favor of a Parcels Post at the rate of two (2) ounces for one cent, with a weight limit of eleven (11) pounds, without the "Zone" system; therefore, be it

Resolved, That this Association does most respectfully request our Senator and Congressman to protest by voice and vote against this bill in its present shape, and to favor the amendment as above suggested; and be it further

Resolved, That a copy of this resolution be mailed to the Hon. Frank O. Briggs, Hon. John J. Gardner and the Hon. John A. Moon, Chairman Committee on Post Offices and Post Roads.

EDW. H. WHITE, Secretary.

Notes.

Topeka, Kan.—The Zimmerman Seed Co. has changed the firm name to that of the Snyder Seed Co.

Yankton, S. D.—The Gurney Seed & Nursery Co. has increased its capital stock to \$100,000. They are building

a new tree storage and packing house 64 x 100 feet of concrete. If this building is completed in time they expect to erect two 150-foot greenhouses this fall.

Norway, Mich.—A movement is on foot here to organize the Cloverland Seed & Nursery Co. with a capital stock of \$25,000.

Fayetteville, Ark.—Thomas Shelton has purchased the interest of his brother, J. A. Shelton, in the Southwestern Seed Co. and succeeds him as manager.

Fort Worth, Texas—The Frank Clark Seed Co. has been incorporated with a capital stock of \$2,500. Incorporators, Frank Clark, R. H. Beck and E. H. Fabian.

Albany, N. Y.—Mr. F. A. Sherman, formerly head of The Sherman & Eberle Seed Co., of 112 So. Pearl street, has severed his connection with the firm and organized the Houghton & Sherman Co., dealing in seeds, farm implements and heaters. Mr. Sherman has bought the stock held by the Houghton Co. and has taken his two sons in with him.

INCORPORATED.

Winnipeg, Man., Can.—Island Park Nurseries, Ltd., capital stock \$50,000. Incorporators, A. D. Wallace, B. D. Wallace, S. R. Wallace and Harold Wallace.

Council Bluffs, Ia.—Meneray-Crescent Nursery Co., capital stock \$10,000. F. W. Meneray, president; A. O. Meneray, secretary; Lucy Meneray, treasurer.

Davenport, Ia.—Davis Floral Co., capital stock \$25,000. Frank L. Davis, president; J. W. Davis, secretary and treasurer.

Cortland, N. Y.—The Forrest Seed Co. has been incorporated with a capital stock of \$20,000. Directors, William Forrest, Lulu M. Forrest, Wilton A. Mabee.

The so-called Nursery Stock Bill passed the U. S. House of Representatives on August 10th last, but was amended in one important particular, that is, in Section 10, the penalty clause, to disobey the rules or regulations provided in the act does not entail fine or imprisonment.



"THE KENILWORTH STRAIN" of GIANT PANSY SEED

Must not be compared with the flimsy Trimardeau

It is much larger and of good substance; the immense flowers, of 3½ to 4 inches, are of perfect form, and every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. The Stock Plants are most critically selected. It is rich with shades of brown, bronze, red, mahogany, and many others too numerous to mention. Light, Medium or Dark Mixtures. Read what Growers say about my strains of Pansy Seed in HORTICULTURE of July 20.

1912 SEEDS NOW READY

3000 seeds, 50c.; 5000 seeds, \$1.00;
¼ ounce, \$1.25; ounce, \$5.00.

PANSIES IN SEPARATE COLORS.

Per 1000 Seeds
Giant Adonis, beautiful light blue...25c
Giant Emperor William, ultramarine blue.....25c
Giant King of the Blacks, coal black...25c
Giant Lord Beaconsfield, violet, shading to white.....25c
Giant Golden Queen, yellow.....25c
Giant Golden Yellow with dark center...25c
Giant Masterpiece, beautifully ruffled, with a wide range of color.....25c
Giant White, very fine.....25c
Giant White with large violet center...25c
Giant Red, a fine mixture of red shades.....25c
Giant Royal Purple, fine large flower...25c
Giant Orchid-flowering, rare shades...25c
Giant Bronze and Copper Shades...25c
Giant Light Blue, delicate shades of blue.....25c
Giant Dark Blue, deep blue shades...25c
Giant Zebra Mixed Shades, striped...25c

Preceding 16 Sorts Mixed, in equal proportions, per 1000 seeds, 25c; any 5 pkts., \$1.00; any 11 pkts., \$2.00.

The Rainbow blend is grown from the latest introductions of giant pansies of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send 1000 of Rainbow free, and with other amounts in like proportion.

Chas. Frost
Kenilworth, N. J.

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NEW CROP NOW READY.

Per 1000 seeds, \$1.50; 5000 and up @
\$1.25 per 1000.

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CYCLAMEN GIGANTEUM SEED
JUST RECEIVED

PRICES IN OUR BULB CATALOGUE

MUSHROOM SPAWN

New Crop English and American Bricks
WRITE FOR PRICES

**BULB CATALOGUE NOW READY — SEND
FOR A COPY**

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33 Barclay Street, - NEW YORK

TOMATO SEED

BEST STOCKS. ALL VARIETIES.

The Haven Seed Co.

Growers for Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Proprs.

37 East 19th St., - NEW YORK CITY

POINSETTIAS 2 1-2 in. strong, \$5 per 100;
\$45 per 1000

CYCLAMEN SEED the celebrated English
strain, \$9 per 1000

PANSY SEED, home-grown, finest giant
strain. \$5 per oz.
Send for Catalogue.

S. S. SKIDELSKY & CO.

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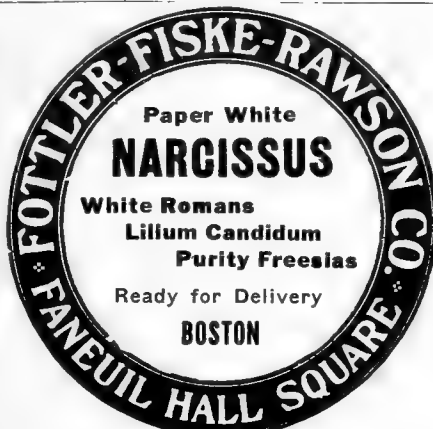
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FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulas, &c.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.



...THE...

J. C. Robinson Seed Co.

Waterloo, Neb.
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Contract growers of Cucumber, Can-
taloupe, Watermelon, Squash and
Pumpkin Seed; Sugar, Flint and
Field Seed Corns.

Place Your Order Now For
**AYRES' WINTER FLOWERING
SWEET PEA SEED**

For Fall Delivery

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

Sunnyslope Independence, Mo.

J. BOLGIANO & SON

WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

Write For Our Low Prices

**LIGHT, PRATT and ELLICOTT STS.
BALTIMORE, MD.**

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Ask for prices

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Fruitmen, Horticultur-
ists, and Poultrymen
should get their print-
ing done by specialists. Write for prices
to THE REX CO., Harrisburg, Pa.

PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds }

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

Write for Prices

Vick Quality Bulbs

Early Kinds Now Ready for Shipment

EARLY ROMAN HYACINTHS,
\$2.25 per C.; \$21.00 per M.

NARCISSUS, PAPER WHITE,
\$1.00 per C.; \$8.75 per M.

CANDIDUM LILIES, Choice Bulbs,
\$4.50 per C.; \$38.00 per M.

Ask for Wholesale Catalogue

JAMES VICK'S SONS
ROCHESTER, N. Y.

White Callas

Monster size bulbs, 2½ in. and up
\$1.50 per dozen, \$15.00 per 100.

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Seed Merchants and Growers,
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Oklahoma Seed Growers Co.

Contract Growers of

Watermelon and Muskmelon Seeds

for the Wholesale Trade only

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For Fall Planting

Price List for the Asking

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Burpee's Seeds

PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.

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Mutual discounts, 20 per cent.
Write for particulars to

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We ship to all points in Illinois and Iowa.
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Kansas City, Mo.
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Member of the Florists' Telegraph Delivery.
All Orders Given Prompt and Careful Attention

The Park Floral Co.

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WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

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"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

Of Interest to Retail Florists

NEW FLOWER STORES.

Pensacola, Fla.—A. Hauge.
Flushing, N. Y.—George Holst, Jr., Main street.
Brooklyn, N. Y.—S. Papadimitriou, Court street.
Cincinnati, Ohio—Henry Meazer, Reading road.

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow..Aug. 30

American.

St. Louis, N. Y.-S'hampton...Aug. 31

Atlantic Transport.

Minnehaha, N. Y.-London....Aug. 31

Cunard.

Lusitania, N. Y.-Liverpool...Aug. 28

Franconia, Boston-Liverpool..Sept. 3

Hamburg-American.

K. A. Victoria, N. Y.-H'burg..Aug. 29

Pres. Lincoln, N. Y.-H'burg..Aug. 31

Holland-America.

New Amsterdam, N. Y.-R'd'm..Aug. 27

Leyland.

Canadian, Boston-Liverpool..Aug. 31

North German Lloyd.

K. Wilhelm II, N. Y.-Br'men..Aug. 27

Bremen, N. Y.-Bremen.....Aug. 31

Pr. der Grosse, N. Y.-Med't'n..Aug. 31

Red Star.

Vaderland, N. Y.-Antwerp...Aug. 31

White Star.

Arabic, Boston-Liverpool....Aug. 27

Baltic, N. Y.-Liverpool....Aug. 29

Oceanic, N. Y.-S'hampton....Aug. 31

NEWS NOTES.

Norwalk, O.—Arthur Doebel has purchased the Parker greenhouses.

Roseburg, Ore.—A. L. Kitchen and Guy Black have established the Roseburg Nursery Co. here.

Aurora, Ill.—A new firm of landscape gardeners, Young & Thomssen, has begun business here.

Yonkers, N. Y.—Emil Yedowitz and Victor Kozuboff have formed a partnership and are located at Mile Square Road and Trenchard street.

Alpena, Mich.—Emil Noss has purchased the greenhouses of James H. Dove and will remove them to his own property at 320 Lincoln street.

Fredonia, N. Y.—The Foster-Cooke Nursery Co. is a new firm organized by John H. Foster and Frank E. Cooke.

Springfield, Ill.—Miss Bell Miller is about to move to First and Canedy streets.

New York, N. Y.—It is reported that King George of England will exhibit orchids at the third national flower show of the S. A. F. and O. H., which will be held here April next. R. F. Felton, the King's florist, will have charge. It will be the first time that any products of the royal conservatories have been placed in competition outside of Great Britain.

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571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Telephone 1552-1553 Columbus

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BROOKLYN—NEW YORK

Wilson

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Tel. 6800 Prospect

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76 MAIDEN LANE

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

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Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardspier.

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all over the country are using McCray Refrigerators. The circulation of air is so strong and steady that there can be no stagnation or dampness, so that your stock will always be fresh and fragrant. Furthermore the saving in ice will more than pay for the cost.

McCray Refrigerators

will lend attractiveness to your shop. Beautifully made and finished, they are lined with white enamel, opal glass, tile, mirrors or marble, as you desire. Write today for our catalog No. 72 which will give you ideas how to add to the attractiveness of your establishment.

McCRAY REFRIGERATOR CO.

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Send flower orders for delivery in Boston and all New England points to

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124 Tremont St., Boston

BOSTON'S BEST In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, BOSTON.

CARBONE

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342 Boylston St., Boston

Vases, Garden Furniture, Art Goods and New Designs in Tuscan Baskets for Florists' Use, in Wholesale Department.

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WORCESTER, - MASS.

Deliveries to all Points in New England.
125,000 square feet of glass.

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ROCHESTER, N.Y.

Salter Bros

38 MAIN STREET, WEST.

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"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosary, 76 Maiden Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.

Boston—Penn, the Florist, 37-43 Bromfield St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Phillip L. Carbone, 342 Boylston St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Indianapolis, Ind.—Florists' Telegraph Deliveries, 241 Massachusetts Ave.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Washington Sq.

New York—George M. Stumpp, 761 Fifth Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

Providence, R. I.—T. J. Johnston & Co., 171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main St., West.

Rochester, N. Y.—J. B. Keller & Sons, 25 Clinton Ave., N.

St. Paul—Holm & Olson, Inc.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F. St.

Wellesley, Mass.—Tailby.
Worcester, Mass.—H. F. A. Lange.

Boston, Mass.—Thomas F. Galvin, 124 Tremont street, is showing some fine spikes of gladiolus, many of them unnamed seedlings of very promising prospects.

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Penn the Florist

"Penn, The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET



WASHINGTON,
D. C.

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Palm Green, Mist Gray, Mist Brown.	White Glaze, Green Glaze, Pink Glaze.	Extra Heavy Spray and Design Palm Green.	Extra Heavy Spray and Design—Mist Gray.	Violet and Corsage Boxes.
Per 100	Per 100	Per 100	Per 100	White and Violet Glaze. Per 100
16x 4x3.....\$1.85	16x 4x3.....\$2.65	23x12x5, Telescope.\$7.50	30x 9x 4 Telescope.\$6.50	7x4x4.....\$2.50
20x 4x3.....2.15	20x 4x3.....3.00	30x12x6 " 10.00	30x12x 6 " 10.50	8x5x5.....3.00
18x 5x3.....2.15	18x 5x3.....3.00	12x12x8 " 9.00	48x 8x 5 " 12.50	10x6x5½.....3.50
21x 5x3.....2.50	21x 5x3.....3.50	16x16x8 " 10.00	12x12x 8 " 9.50	12x8x5½.....4.50
24x 5x3½.....3.00	24x 5x3½.....3.75	20x20x8 " 13.00	14x14x 8 " 10.00	Plain Violet.
30x 5x3½.....3.30	30x 5x3½.....4.50	24x24x8 " 15.00	16x16x 8 " 10.50	7x4x4.....1.75
36x 5½x5½.....4.50	36x 5½x5½.....5.65	28x28x8 " 19.00	20x20x 8 " 13.50	10x6x5½.....2.50
21x 7x3½.....3.25	18x 6x3½.....3.65	32x32x8 " 25.00	24x24x10 " 20.00	11x8x5½.....3.50
24x 8x4.....3.85	21x 7x3½.....4.00	2x12x8 " 10.00	28x28x 8 " 19.50	Mist Gray.
24x 8x5.....4.15	21x 8x4.....4.65	28x22x8 " 16.00	32x32x 8 " 25.50	7x4x4.....2.50
28x 8x4.....4.35	24x 8x4.....5.25	24x14x8 " 12.50	20x12x 8 " 10.00	8x5x5.....2.75
28x 8x5.....5.00	24x 8x5.....5.75	30x14x8 " 14.50	24x14x 8 " 13.00	10x6x5½.....3.00
36x 8x5, Telescope 7.00	28x 8x4.....6.00	32x17x8 " 16.00	30x14x 8 " 15.00	12x8x5½.....3.50
30x10x5 " 7.00	28x 8x5.....6.50	36x14x8 " 17.50	36x14x 8 " 16.25	14x10x8, Telescope. 6.00
36x16x5 " 9.00	36x 8x5, Telescope 9.00	36x17x8 " 18.50	40x14x 8 " 17.75	Palm Green.
40x 8x5 " 9.00	36x10x5 " 11.00	42x17x8 " 20.00	12x17x 8 " 20.50	12x8x5½.....3.50
42x 8x5 " 11.00	40x 8x5 " 11.00	All our Flower Boxes are made from Moisture-Proof Board		15x6x5.....3.50
42x10x5 " 13.00	42x 8x5 " 13.25			14x10x8, Telescope. 6.00
48x10x5 " 15.00	42x10x5 " 15.00			
	48x10x5 " 18.00			

No printing charges on lots of 300 or over. Special discounts allowed on quantity orders. Complete samples sent on application.

FLORISTS ARE INVITED to inspect our display at the Coliseum during the Convention.

A. A. ARNOLD, 16-18-20-22 S. Peoria St., CHICAGO

During Recess.

Connecticut Nurserymen's Association.

The Connecticut Nurserymen's Association were in New Haven Aug. 9th for their annual summer outing. The objective point was The Elm City Nursery Co. whose nurseries are located just beyond Edgewood Park in the new Edgewood suburb.

The nursery business has become one of Connecticut's important industries and the amount of capital and number of men engaged in the business would be a source of surprise to those who are unfamiliar with such matters. The old New England hills which have in the past years become unprofitable for farming purposes in competition with the great West, are proving to be eminently suited to the production of the finest fruits, fruits which compare favorably with the finest productions anywhere in the country. Not only can they grow under modern means of cultivation apples which are as fair as the Oregon brand, but they can beat them on quality and keeping qualities. The same is true of peaches, pears, plums, quince, etc., so that the hillsides of Connecticut bid fair to soon be one great orchard and add another important industry to the state. The demand for ornamental stock has enormously increased in the past few years as parks are being developed in every city and town and private estates and homes are being rapidly evolved which compare favorably with the finest homes of Europe and practically every home place even down to the smallest garden now shows signs of care and at-



CONNECTICUT NURSERYMEN'S ASSOCIATION AT ELM CITY NURSERY CO., NEW HAVEN

tention. Such a movement as this makes an increasing demand for nursery stock.

The Elm City Nursery Co.'s extensive grounds are a just source of pride to all New Haveners. The grounds, especially about the office, are laid out in a true landscape style and few private estates are kept up with greater care.

After looking over the nursery the association took an auto ride and dinner was enjoyed at the West Shore.

Westchester and Fairfield Horticultural Society.

The second annual outing of this society was held in Rye Beach, N. Y., on Wednesday, August 7th. Over 125 members attended, most of them

VISITORS PASSING THROUGH ST. LOUIS

going and returning en route to the S. A. F.
Convention are cordially invited to visit
the most modern and up-to-date Wholesale
House in the West.

C. A. KUEHN

1312 Pine Street,

Both
Phones

ST. LOUIS, MO.

accompanied by their family. The games were all well contested for, valuable prizes were carried home by many, and all enjoyed the dinner which was excellent. All told, this was a most successful affair.

The three contests between Westchester and Fairfield were won by Westchester, namely quoit game, football game and tug-of-war.

Running Broad Jump—W. J. Sealey, 1st; J. B. Roy, 2nd.

Putting-the-Shot—Th. Atchison, 1st; J. Atchison, 2nd.

High Jump—Tie between W. J. Sealey and J. B. Roy.

Quarter-Mile Race—A. Clarkson, 1st; A. Possell, 2nd.

Standing Broad Jump—J. B. Roy, 1st; W. J. Sealey, 2nd.

Fat Men's Race—J. Manda, 1st; J. Stuart, 2nd.

50-Yards Race for silver medal offered by Oscar Frankel, Yonkers, for men over 50—J. Henderson, 1st; J. McAllister, 2nd.

100-Yard Dash—W. J. Sealey, 1st.

Walking Match for Mr. Frankel's prize—Wm. Smith, 1st; J. Henderson, 2nd.

Girls' Race—H. and M. Addor, 1st and 2nd.

Boys' Race—B. Freymond, 1st; J. Flod, 2nd.

Ladies' Race—Mrs. A. Peterson, 1st; Mrs. Wright, 2nd.

Mrs. N. Wester of Mamaroneck, won the prize donated by Mr. Ebel for the most beautiful lady present.

The regular monthly meeting was held Friday. P. W. Popp showed eighteen varieties of 1912 introduction gladioli, splendid spikes of large size. A. Marshall exhibited some fine American Beauty roses and J. McAllister some very good asters.

OSCAR E. ADDOR, Cor. Sec.

North Shore Horticultural Society.

The annual picnic of this society was held on July 31, at Tuck's Point, Manchester, Mass. There was a large

Boston Flower Exchange

WILL HOLD THEIR ANNUAL

Auction Sale of Stalls

ON

SATURDAY, AUGUST 31, 1912

AT 9 O'CLOCK A. M.

Sale to be Held in the Market

AT

C PARK ST., BOSTON, MASS.

Per Order Board of Directors

AUCTION SALE OF STALLS

The 9th Annual Sale will take place on Saturday, August 31, 1912, at 9.30 A.M. All interested growers are requested to attend the same.

BOSTON CO-OPERATIVE FLOWER MARKET
2 Park Street, - - - - - Boston, Mass.

gathering, with an interesting program of athletic events and a fine outing was enjoyed by all. J. D. Morrison was chairman of the committee and associated with him were Herbert Shaw, James Henley and C. Allen.

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Much is heard of how to sell goods—the buyer seems to be taken for granted. On the contrary, we think the buyer entitled to equal consideration. Well bought is half sold. We aim to be the faithful servant of both buyer and seller. Equal justice to both is our motto. Send your orders or consignments to us and judge.

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Greenhouses, Morton Grove, Ill.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	BOSTON August 22	CHICAGO August 20	ST. LOUIS August 20	PHILA August 20
Am. Beauty, Fancy and Special....	15.00 to 25.00	20.00 to 25.00	15.00 to 25.00	20.00 to 25.00
" Extra.....	10.00 to 15.00	15.00 to 20.00	..... to 10.00	12.00 to 15.00
" No. 1.....	6.00 to 8.00	10.00 to 15.00	..... to 8.00	8.00 to 10.00
" Lower Grades.....	1.00 to 4.00	4.00 to 8.00	3.00 to 4.00	4.00 to 6.00
Killarney, Richmond.....	.50 to 5.00	4.00 to 6.00	..... to 5.00	2.00 to 6.00
My Maryland, Kaiserin, Carnot....	.50 to 6.00	..... to .....	..... to	2.00 to 8.00
Bride, Maid.....	.50 to 4.00	..... to	3.00 to 4.00	..... to
Taft, Hillingdon, Ward.....	.50 to 5.00	4.00 to 6.00	..... to .....	..... to
CARNATIONS.....	.50 to 1.50	1.50 to 2.00	1.00 to 1.50	1.00 to 2.00
MISCELLANEOUS				
Cattleyas.....	50.00 to 60.00	20.00 to 40.00	40.00 to 50.00	..... to 75.00
Lilies, Longiflorum.....	4.00 to 6.00	8.00 to 12.00	6.00 to 8.00	10.00 to 12.00
" Speciosum.....	..... to 3.00	..... to .....	..... to .....	..... to
Lily of the Valley.....	2.00 to 3.00	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Gladoli.....	2.00 to 4.00	2.00 to 5.00	1.50 to 5.00	3.00 to 5.00
Asters.....	15.00 to 1.00	1.00 to 4.00	1.00 to 3.00	.50 to 2.00
Daisies.....	..... to 5.00	.50 to 1.50	.15 to .35	..... to
Sweet Peas.....	.15 to 5.00	.30 to .50	.15 to .25	.50 to .75
Gardenias.....	..... to 25.00	..... to .....	..... to .....	..... to
Adiantum.....	1.00 to 1.50	..... to .75	1.00 to 1.25	1.00 to 1.50
Smilax.....	8.00 to 12.00	15.00 to 20.00	12.00 to 15.00	12.50 to 15.00
Asparagus Plumosus, Strings (100).....	..... to 50.00	50.00 to 75.00	35.00 to 50.00	35.00 to 50.00
" & Spreng. (100 Bchs.).....	25.00 to 50.00	25.00 to 50.00	15.00 to 25.00	35.00 to 50.00

J. A. BUDLONG

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(Continued)

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THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Aug. 17 1912		First Half of Week beginning Aug. 19 1912	
American Beauty, Fancy and Special	15.00	to 25.00	15.00	to 25.00
" " Extra	10.00	to 15.00	10.00	to 15.00
" " No. 1	5.00	to 8.00	5.00	to 8.00
" " Lower Grades				
Richmond, Chateau, Extra and Special	1.00	to 6.00	1.00	to 6.00
" " Lower Grades .....	.50	to 3.00	.50	to 3.00
Killarney, My Maryland, Extra and Special	3.00	to 4.00	3.00	to 4.00
" " Lower Grades .....	.50	to 3.00	.50	to 3.00
Bride, Maid .....	.50	to 3.00	.50	to 3.00
Taft, Hillingdon, Ward .....	.50	to 4.00	.50	to 4.00
Kaiserin, Carnot	1.00	to 5.00	1.00	to 5.00
Carnations, First Quality	1.00	to 1.50	1.00	to 1.50
" " Ordinary50	to 1.00	.50	to 1.00

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10,000...\$1.75. 50,000...\$7.50. Sample free
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HARDY CUT FERNS
FANCY and DACER
Galax, Boxwood, Laurel
Roping, Wild Smilax, etc.
Hartford & McDonough
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BEST PRODUCED
 226 Devonshire Street, Boston, Mass.

WILLIAM F. KASTING Co.

Wholesale Florists
 383-387 ELLICOTT ST. - - BUFFALO, N. Y.

Flower Market Reports

(Continued from page 283)

for so many weeks must now take a back seat. Maryland and all other roses are now quite plentiful. The shortage reported for some time back has entirely disappeared. There is not much change in the carnation situation. These are still scarce and of only middling quality. What few flowers come in clean up fairly well at moderate prices. Orchids are very scarce—particularly cattleyas. The demand for gardenias has fallen off somewhat. Sweet peas do not cut much of a figure. The best flowers are coming from northern and eastern points; but they do not stand reshipping well and are good only for local wants.

This has indeed been a week of asters. Enormous quantities have arrived every day, some of first rate quality, and there have been enough of the latter to satisfy all buyers. Dahlias have been on view at some of the wholesalers, but they are not wanted. Very few orchids to be had just now, but 600 were found and supplied to fill one order this week, together with 1100 bunches of pink lilies. The latter are a glut as are also gladioli. Small roses have improved in quality, with a good choice in variety. Richmonds, Tafts, Hillingdons and Wards have been good sellers, but the market has been much too overcrowded with the inferior and worthless stuff. Gardenias have been scarce and somewhat in demand. Golden Glow chrysanthemums are coming in lightly.

The market is very dull as far as demand is concerned but in big supply in seasonable cut flowers. The commission houses have been and are loaded down with asters, gladioli and roses, and no clean-up sales have been reported on any of these during last week. The retailers are buying sparingly and say that the month of August has been a dull one so far.

FIRE RECORD.

Spokane, Wash.—A slight fire damaged the store of the Winters Floral Co., recently.

The Boston Co-operative Flower Market will hold its ninth annual sale of stalls on Saturday, August 31, at 2 Park street, Boston, at 9.30 A. M. W. W. Tailby will wield the hammer, as usual.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Aug. 17 1912		First Half of Week beginning Aug. 19 1912	
Cattleyas	40.00	to 75.00	40.00	to 75.00
Dendrobium formosum	20.00	to 25.00	20.00	to 25.00
Lilies, Longiflorum	3.00	to 6.00	4.00	to 6.00
" Speciosum	1.00	to 2.00	1.50	to 2.00
Lily of the Valley	1.00	to 3.00	1.00	to 3.00
Asters	.50	to 1.00	.50	to 1.00
Gladioli	1.00	to 2.00	1.00	to 2.00
Daisies	.50	to 1.00	.50	to 1.00
Sweet Peas (per 100 bunches)	1.00	to 2.00	1.00	to 2.00
Gardenias	15.00	to 25.00	15.00	to 25.00
Adiantum	.50	to .75	.50	to .75
Smilax	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings	.....	to 35.00	.....	to 35.00
" & Sprengeri (100 bunches)	10.00	to 16.00	10.00	to 16.00

ST. LOUIS NOTES.

Dan MacRorie, Angelo J. Rossi, H. Plath and Mr. and Mrs. Julius Eppstein, San Francisco florists, spent a day in St. Louis on their way to Chicago to attend the S. A. F. convention. They are looking forward to land the S. A. F. meeting for San Francisco in 1915.

Mr. and Mrs. Fred C. Weber, Sr., will spend their vacation at Atlantic City, N. J.

Frank Windler will represent the W. C. Smith Wholesale Floral Co. at the convention.

John Connon, of the Connon Floral Co., is spending his vacation at Portland, Ore.

William C. Young, Chas. C. Young and James Hoata, of Young's, are in Chicago this week.

The Mullanphy Floral Co. will soon occupy their new quarters at 3514-16-18 North Grand avenue which will give them the much needed room for their fast growing business.

David Geddes has been visiting in Pittsburgh.

J. F. Ammann, of Edwardsville, state vice-president of Southern Illinois, is leading a large party of Southern Illinois florists for the Chicago convention.

Mr. and Mrs. Angermueller left Monday morning with the St. Louis party for Chicago to attend the convention.

PERSONAL.

Paul M. Bryant is now advertising manager for the Foley Manufacturing Co., Chicago, Ill.

Frank Connors, assistant florist at the greenhouses of George W. Knowlton, West Upton, Mass., will take charge of the greenhouses of Denholm & McKay, Worcester.

Harry A. Barnard, representing Stuart Low & Co., Bush Hill Park, Enfield, Eng., is about to make another visit to this country. He will be at the Hotel Albert while in New York.

NEW YORK NOTES.

Angelo Dentale, at Young & Nugent's has just returned from his honeymoon trip.

Stumpp & Walter Co. report trade in grass seed very brisk. They find a steady increase each year in this direction.

Weeber & Don have had their store front set back and are making extensive alterations and improvements in the interior.

Wallace Pierson is very sanguine about the future of his new red rose "Mi Lady," just named by Fred Dornier. He says it is sure to make one of the greatest hits ever known in the annals of new roses.

The New York party for the convention left the Grand Central terminal on Monday at 10.30 A. M. in two special Pullmans and although it fell far short of the anticipated number was certainly a representative one and was favored by the presence of the following ladies: Mrs. F. H. Traendly, Mrs. Harry Bunyard, Mrs. Austin Shaw, Mrs. Kuebler, Miss Esler and Mrs. Jos. A. Manda.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

B. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AQUATICS

To Close for Cleaning Pool, 20% for Cash With Order.

Water hyacinths, the oddest, most beautiful and valuable plants; extra strong, in the finest condition; \$5.00—100, \$35.00—1000; second grade, \$3.00—100, \$18.00—1000. Blooming water hyacinths make leaders at 25c. retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

ARACARIAS.

Godfrey Aschmann, Philadelphia, Pa.
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ASPARAGUS

Frank Oechslein, Chicago, Ill.

Asparagus Plumosus.
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B. Soltan Fernery, Jersey City, N. J.

Asparagus Plumosus Nanus.

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John C. Hatcher, Amsterdam, N. Y.

Asparagus Hatcherii.

For page see List of Advertisers.

Asparagus plumosus, 2½ in. pots, at \$4.00 per 100. Ruxton Floral and Nursery Co., Ruxton, Md.

AUCTION SALES

Boston Flower Exchange, Boston, Mass.
Sale of Stalls.

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AZALEAS

P. Ouwerkerk, Hoboken, N. J.

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A. Leuthy & Co., Roslindale, Mass.

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Loechner & Co., New York, N. Y.

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BAY TREES

A. Leuthy & Co., Roslindale, Mass.

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Bobblink & Atkins, Rutherford, N. J.

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Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS.

A. N. Pierson, Inc., Cromwell, Conn.

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BEGONIAS

Begonia Lorraine, \$12.00 per 100; \$50.00 per 500. Julius Roehrs Co., Rutherford, N. J.

BOXWOOD TREES

Bobblink & Atkins, Rutherford, N. J.

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Julius Roehrs Co., Rutherford, N. J.

Box Trees, all sizes. Ask for special list.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOXES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BULBS AND TUBERS

Arthur T. Boddington, New York, N. Y.
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BULBS AND TUBERS—Continued

Joseph Breck & Sons, 47-54 N. Market St., Boston.

French and Dutch Bulbs.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.

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Rickards Bros., 37 East 19th St., New York.

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Henry F. Michell Co., Philadelphia, Pa.

Harrisii Bulbs.

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Ralph M. Ward & Co., 71 Murray St., New York.

Horseshoe Brand Lillies.

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James Vick's Sons, Rochester, N. Y.

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John Lewis Childs, Flowerfield, L. I.

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The W. W. Barnard Co., Chicago, Ill.

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Fottler, Fliske, Rawson Co., Boston, Mass.

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E. S. Miller, Wading River, N. Y.

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W. Elliott & Sons, New York, N. Y.

Bulbs for Easter.

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Weeber & Don, New York, N. Y.

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P. H. Goodsell, New York, N. Y.

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Peter Henderson & Co., New York, N. Y.

Bulbs for Autumn Planting.

Bulbs of all descriptions. Write for prices.

C. Keur & Sons, Hillegom, Holland.

New York Branch, 31-33 Broadway.

CALIFORNIA PRIVET

Franklin Davis Nursery Co., Baltimore, Md.

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CAMPANULA

Campanula medium, 2½ in. pots, fine for growing for Easter, \$3.00 per 100. Cash. A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

CAPE JASMINE

Cape Jasmine, fine cuttings, 8 inch and over, ready for rooting; 100 \$1.00, 1000 \$8.00, prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

Charles H. Totty, Madison, N. J.

Field-Grown Carnations.

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F. E. Palmer, Brookline, Mass.

Field-Grown Carnations.

F. Dörner & Sons Co., Lafayette, Ind.

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Chicago Carnation Co., Joliet, Ill.

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Field Grown Carnation Plants—White Wonder, \$10.00 per 100; \$90.00 per 1000. Remittance or acceptable reference should accompany the order. Frank P. Putnam, P. O. Box 12, Lowell, Mass.

Carnations, heavy stock: 5000 R. P. Enchantress, 5000 W. Enchantress, 2000 Palepink Enchantress, 3000 O. P. Bassett, red, 1000 Sangamo, 500 Afterglow, 3000 Victory, red, 87.00 per 100, \$80.00 per 1000; 250 at 1000 rate. Satisfaction guaranteed. Cash please. C. L. Van Meter, Monticello, Iowa.

CELERY PLANTS

Strong transplanted Giant Pascal, Giant Golden Heart, Winter Queen, 25c. per 100; \$2.00 per 1000. Bryn Mawr Florist Co., Yonkers, N. Y.

CROTONS

Robert Craig Co., Phila., Pa.

Craig's Quality.

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CHRISTMAS FLOWERING SWEET PEAS

Arthur T. Boddington, New York, N. Y.

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CHRYSANTHEMUMS

R. J. Irwin, New York, N. Y.

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CHRYSANTHEMUMS (Rooted Cuttings). 500 Smith's Advance, \$2.50 per 100. 500 each Tousey, Ivory, Donatella, Yellow Jones, 2500 Robt. Halliday, Mrs. Hurley and Baby, 8000 J. Rosette. \$15.00 per 1000. Cash with order.

William Swayne, Kennett Square, Pa.
Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANTHEMUM, THE. By A. Herrington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 160 pages. Price 50 cents.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.

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CYCLAMENS

Thomas Roland, Nahant, Mass.

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R. J. Irwin, New York, N. Y.

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Cyclamens, 3-inch pots, \$10.00 per 100; \$80.00 per 1000. Julius Roehrs Co., Rutherford, N. J.

CYPERUS

Cyperus alternifolius, 3½ in. pots, very bushy and compact, \$8.00 per 100. Cash. A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

DAHLIAS

R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Export, North Dighton, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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DEUTZIA

Deutzia gracilis, specially grown for Easter forcing, very bushy, \$15.00 per 100. Cash. A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

DOUBLE CLAW HAMMER

Double Claw Hammer Co., Brooklyn, N. Y.
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DRACAENAS

Dracaena indivisa, 5 in., pot-grown, ready for repotting, excellent value, \$25.00 per 100. Cash. A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

EVERGREENS

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Fertiline.
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United Fertilizer Co., Chicago, Ill.
Evergreen Brand Fertilizer.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

DOUBLE FARM CROPS. By restoring soil fertility with Shell-Marl Land-Lime, Wood Ashes Substitute, Ground Phosphate Rock, Basic Slag. Endorsed, recommended and used by experiment stations and leading farmers. Best results by applying in the fall. Send for catalogue. Vermont Marl Company, Brattleboro, Vermont.

FERNS

Henry A. Dreer, Inc., Phila., Pa.
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A. Leuthy & Co., Roslindale, Mass.
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Godfrey Aschmann, Philadelphia, Pa.
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Robert Craig Co., Philadelphia, Pa.
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Joseph Heacock, Wyncote, Pa.
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Frank Oechalin, 4911 Quincy Street, Chicago.

Ferns for Dishes.
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R. J. Irwin, New York, N. Y.
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McHutchison & Co., New York, N. Y.
Ferns in Flats.

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F. R. Pierson Co., Tarrytown-on-Hudson, New York.

Choice Ferns.
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B. Soltan Fernery, Jersey City, N. J.
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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.
Boston Ferns, fine stock, for 6 in., \$5c.; for 4 in., 12c. Orders booked now for Boston and Whitman, young, \$20.00 per 100. Cash. A. E. Monroe, Wellesley Farms, Mass.

Adiantum cuneatum, 4 in., \$8.00 per 100. Wm. Capstick, Auburndale, Mass.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass., and 46 W. 26th St., New York.

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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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GIANT PANSY SEED

Charles Frost, Kenilworth, N. J.
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GLADIOLUS

John Lewis Childs, Flowerfield, N. Y.
Special Gladioli.

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GLASS

Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 215-217 Havermeier St., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLASS SASH

V. E. Reich, Brooklyn, N. Y.
Improved Double.

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GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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King Construction Co., N. Tonawanda, N. Y.
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Metropolitan Material Co., Brooklyn, N. Y.
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Daniel Hiffe, Boston, Mass.

Greenhouse Heating and Ventilating.
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Hitchings & Co., 1170 Broadway, N. Y.

Pierson U-Bar Co., Madison Ave., New York.
Designer and Builder.

GREENHOUSE SUPPLIES

E. H. Hunt, Chicago, Ill.

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GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.

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HAIL INSURANCE

Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.

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HARDY FERNS AND SUPPLIES

Michigan Cut Flower Exchange,
38 and 40 Broadway, Detroit, Mich.

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Hartford & McDonough, Boston, Mass.
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HEATING APPARATUS

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Lord & Burnham Co.,

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P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Bobbink & Atkins, Rutherford, N. J.
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HOSE

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Revere Rubber Co., Chelsea, Mass.
Retro Garden Hose.

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HYDRANGEAS

Bobbink & Atkins, Rutherford, N. J.
Hydrangea Otaksa.

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F. R. Pierson Co., Tarrytown-on-Hudson, New York.

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In writing to Advertisers kindly mention Horticulture

INSECTICIDES

- Eastern Chemical Co., Boston, Mass.**
Imp. Soap Spray.
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- Stumpp & Walter Co., New York.**
Kiln-dried Tobacco Dust.
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- Aphine Manufacturing Co., Madison, N. J.**
Apline and "Squito-Rid."
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- E. H. Hunt, Chicago, Ill.**
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- Lemon Oil Co., Baltimore, Md.**
Standard Insecticide.
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- Interstate Tobacco Co., New York, N. Y.**
"Tip Top" Tobacco Powder.
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- P. R. Palethrope, Inc., Clarksville, Tenn.**
Nicotinic Bug Killer.
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- Kentucky Tobacco Product Co., Louisville, Ky.**
Nico-Fume.
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- Benjamin Hammond, Fish-kill-on-Hudson, N. Y.**
Slug Shot.
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IRON GUTTER

- Metropolitan Material Co., Brooklyn, N. Y.**
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IVIES

- English Ivy, strong, at \$8.00 and \$12.00 per 100. C. Winterlich, Defiance, O.

JAPANESE LILIES

- Loechner & Co., New York, N. Y.**
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KENTIAS

- Bobbink & Atkins, Rutherford, N. J.**
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- A. Leuthy & Co., Roslindale, Mass.**
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LANDSCAPE ENGINEERS AND CONTRACTORS

- Fairfield Landscape & Nursery Co., New York, N. Y.**
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LILIAM HARRISH AND CANDIDUM

- F. R. Pierson Co., Tarrytown-on-Hudson, New York.**
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LILIAM MYRIOPHYLLUM

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LILY OF THE VALLEY PIPS

- Loechner & Co., New York, N. Y.**
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LILIAM FORMOSA AND GIGANTEUM

- R. M. Ward & Co., New York, N. Y.**
Horse Shoe Brand.
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MARGUERITES

- Unrooted *Alexandra* marguerites, \$1.00 per 100. Winter flowering yellow marguerites, the right kind; unrooted, \$2.00 per 100; rooted, \$4.00 per 100. Cash. A. E. Monroe, Wellesley Farms, Mass.

MASTICA

- F. O. Pierce Co., New York, N. Y.**
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MUSHROOM SPAWN

- J. M. Thorburn & Co., New York, N. Y.**
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NARCISSUS BULBS

- 50,000. Portions. Theasanti's Eyes, \$1.25 1000. E. W. Plater, Carbondale, Ill.

NICO-FUME

- Kentucky Tobacco Product Co., Louisville, Ky.**
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NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.**
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- W. & T. Smith Co., Geneva, N. Y.**
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- Bay State Nurseries, North Abington, Mass.**
Hardy, Northern Grown Stock.
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- W. B. Whittier & Co., South Framingham, Mass.**
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- P. Hamilton Goodsell, New York, N. Y.**
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- Fairfield Landscape & Nursery Co., New York, N. Y.**
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- Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS.**
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

- Leonard Seed Co., Chicago, Ill.**
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ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.**
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- Julius Roehrs Co., Rutherford, N. J.**
Hybrid Orchids.
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- Sander, St. Albans, England.**
Importer, Exporter, Growers, Hybridists.
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- John De Buck, New York, N. Y.**
Orchid Plants, fresh importations, best commercial varieties, reasonable price. John De Buck, care of Maltus & Ware, 14 Stone St., New York City.
- ORCHID GROWERS' MANUAL.**
By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and Orchid Culture ever published. Price \$10.00.
Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PALMS, ETC.

- A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.**
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- Godfrey Aschmann, Philadelphia, Pa.**
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- Robert Craig Co., Philadelphia, Pa.**
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- John Scott, Brooklyn, N. Y.**
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- Julius Roehrs Co., Rutherford, N. J.**
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- Joseph Heacock, Wyncote, Pa.**
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- Loechner & Co., New York, N. Y.**
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PANDANUS

- Pandanus utilis*, 3½ in. pots, \$12.00 per 100. Cash. A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

PAPER POTS

- Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

- Siggers & Siggers, Washington, D. C.**
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PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago.**
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- A. T. Stearns Lumber Co., Boston, Mass.**
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PEONIES

- Peonies. The world's greatest collection, 1200 sorts. Send for list. C. Betscher Canal Dover, O.
- Peonies—The best French collections. Catalogues free. Dessert, Peony Specialist, Chenonceaux, France.
- Peony roots, white, pink, red and yellow, \$3.00 per 100 and up. Sold for list. Thomas J. Oberlin, Sinking Spring, Pa.

PHLOXES.

- Elizabeth Nursery Co., Elizabeth, N. J.**
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PHOENIX ROEBELINII

- B. Soltan Fernery, Jersey City, N. J.**
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PLANT AND BULB IMPORTS.

- August Rolker & Sons, New York, N. Y.**
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PLANT TRELLISES AND STAKES

- Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.**
Plant Trellises and Stakes. P. A. Angier & Co., Westboro, Mass.

PLANT TUBS

- H. A. Dreer, Philadelphia, Pa.**
"Riverton Special."
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PIPE AND FITTINGS

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POINSETTIAS

- A Henderson & Co., Chicago, Ill.**
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POT HANGERS

- Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

POULTRY AND FARM REVIEW

- The Rex Company, Harrisburg, Pa.**
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PRIMULAS

- Primula malacoides*, 4 in. pots, at \$8.00 per 100; 2½ in. pots, at \$4.00 per 100. *Primula obconica* (best strain), 2½ in. pots, at \$3.00 per 100. Ruxton Floral and Nursery Co., Ruxton, Md.

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- Robert Craig Co., Philadelphia, Pa.**
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- Wood Bros., Fishkill, N. Y.**
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- Elizabeth Nursery Co., Elizabeth, N. J.**
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- 400 Radiance Roses, 4 in. pots, at \$10.00 per 100. 200 Golden Gate, 4 in. pots, at \$8.00 per 100. Ruxton Floral and Nursery Co., Ruxton, Md.

ROTTED PEAT AND SPHAGNUM MOSS.

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Felix & Dykhuis, Boskoop, Holland.
O. V. Zangen, Hoboken, N. J.

Asparagus Plumosus Nanus seeds now ready, per 1000, \$2.25; lots up to 5000, \$2.00 per 1000. Peter Mack, Box 172, Orlando, Fla.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Harrell, Summit, N. J.

STOVE PLANTS

Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

STRAWBERRY PLANTS

P. H. Goodsell, New York, N. Y.
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Fall Bearing Strawberry Plants, best varieties. Catalogue free. Basil Perry, Cool Spring, Delaware.

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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 33-40 Broadway, Detroit, Mich.

WROUGHT IRON PIPE

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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED.

ROSE, carnation and general stock grower for wholesale and retail establishment. To assist with fires in turns. Must be sober and reliable. \$35 a month with board and room. Give full particulars and references in first letter. "T. A." care HORTICULTURE.

WANTED—Foreman for commercial greenhouses growing mostly pot plants. Only sober, industrious, reliable man wanted. Address "N. S." care HORTICULTURE.

FERTILIZER AGENTS WANTED—To handle Shell-Marl Land-Lime and other materials. Exclusive agency, liberal commission. Vermont Marl Co., Brattleboro, Vt.

SITUATIONS WANTED

GARDENER—Fifteen years' experience in growing vegetables, plants and fruit, both under glass and outdoors; best of references. "S. F." care HORTICULTURE.

GARDENER seeks permanent position on private place. Has had 25 years' experience in greenhouses and outside. Age 45, American, married, strictly temperate. Address "F. A." care HORTICULTURE.

WANTED—Position in charge of place, private or commercial. Experienced and competent in indoor or outdoor departments. THOMAS PEGLER, 227 Norfolk street, Wollaston, Mass.

FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR RENT

FOR RENT, low, with privilege of purchase, seven greenhouses in fine condition, with good piece of land planted with carnations, etc. All in order for immediate occupancy. A great opportunity. Charles Millang, 55-57 West 26th St., New York.

WANTED TO RENT

WANTED to rent greenhouses, 20,000 to 40,000 square feet of glass, in eastern states, in good running order. State full particulars. "P. T." care HORTICULTURE.

dent of the Chicago Florists' Club, and her death coming just as the convention opened was particularly sad, especially as her father is in the west for his health.

S. W. La Pointe.

After an illness of only four days, Samuel La Pointe, nurseryman of Monroe, Mich., died on July 26, aged 63 years. He was a native of France. He leaves a wife and six children.

NEWS NOTES.

Jackson, Miss.—John & Downs, who recently bought out the McKay Seed & Floral Co., have dissolved partnership.

St. Paul, Minn.—Munich & Wahler, a new firm, have purchased the greenhouses of Leo Hermes on Gorman avenue.

Hamilton, N. Y.—The Hamilton greenhouses, Clayton Risley, proprietor, will be entirely rebuilt and reorganized next spring.

Obituary.

Charles E. Keith.

"Charlie" Keith, for many years superintendent of parks of Bridgeport, Conn., beloved by all who knew him, passed away on Thursday afternoon, August 15, aged 63 years. He had been taken ill suddenly in Beardsley Park on the previous Saturday while making preparations to attend the meeting of the Association of American Park Superintendents at Boston. Mr. Keith was a charter member of the Association and the news of his illness had occasioned much sympathy among the members at the Boston meeting and in recognition of his lovely personality and his loyalty to the Association a unanimous vote was passed making him president emeritus for the balance of his life. Unfortunately, the honor was a brief one, although sincerely bestowed. George A. Parker of Hartford, G. X. Amrhy of New Haven and Theodore Wirth of Minneapolis attended the funeral and a floral piece was sent as a token from the Association of American Park Superintendents.

Joseph M. Cole.

Joseph M. Cole, who opened the first cut flower store in Peoria, Ill., and who had lived in that city for about 58 years, died at his residence, 615 North Jefferson avenue, Peoria, on August 9. He was born in London, England, and came to America with his parents when a year old. For many years he was associated with his brothers in the florists' business, retiring about six years ago.

Andrew Johnson.

On August 8, Andrew Johnson, gardener for Mrs. David King, Newport, R. I., died at his residence from pneumonia. He was born in Sweden in 1851 and came to America in 1871 and for the greater part of the time since has been head gardener for the late David King, Jr. His widow, one son and a daughter survive him.

Miss Mary Foley.

Mary, daughter of James Foley, died under an operation for appendicitis Aug. 19. She was nine years of age and is the niece of P. J. Foley, presi-

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

Pearson Street
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

GREENHOUSES BUILDING OR CONTEMPLATED.

Milan, Mich.—Mrs. M. Weller, addition.

Johnstown, Pa.—T. Malbranc, additions.

Dillon, Mont.—Horne & Greiner, one house.

Marquette, Mich.—E. R. Tauch, addition.

Wyalusing, Pa.—R. S. Howard, one house.

Pensacola, Fla.—A. Hauge, range of houses.

Detroit, Mich.—George Brown, house 35 x 110.

Cincinnati, O.—Avondale Floral Co., one house.

Saginaw, Mich.—Desner & Fisher, one house.

Bristol, R. I.—S. Kinder & Bros., two houses.

Holyoke, Mass.—Gallivan Bros., house 17 x 40.

Attleboro, Mass.—Fred C. Bliss, house 10 x 40.

Woburn, Mass.—William Turner, house 35 x 200.

Brookline, Mass.—Frank F. Hawley, house 25 x 100.

Staunton, Va.—John Fallon, one house 34 x 102.

Lewiston, Me.—J. R. Taylor, South Lewiston, addition.

Waban, Mass.—Boston Gardening Co., house 42 x 215.

Yankton, S. D.—Gurney Seed & Nursery Co., one house.

West Acton, Mass.—Samuel F. Carlisle, house 40 x 150.

Tacoma, Wash.—H. Atchinson, two houses each 20 x 125.

Cleveland, O.—J. F. Barners, 2010 Spring road, one house.

Columbus, O.—W. M. Ritter, East Broad street, one house.

Manchester, Mass.—Estate of Philip Dexter, range of houses.

Spokane, Wis.—Spokane greenhouses, range of houses.

Springfield, Mass.—A. L. Gilbert, Hunt avenue, one house.

Fitchburg, Mass.—Normal School, one house to cost \$3,000.

Manchester, Mass.—Gardiner M. Lane estate, house 22 x 66.

North Adams, Mass.—A. J. Roothman, rebuilding one house.

Holliston, Mass.—Eastern Nurseries, house 12 x 54, house 19 x 74.

Philadelphia, Pa.—James S. Axford, 62 Harvey street, one house.

Philadelphia, Pa.—William J. Smith, 4735 Maple avenue, one house.

Philadelphia, Pa.—Felix Myers, 5221 Haverford avenue, show house.

Miami, Fla.—Miami Floral Co., J. W. Warner, manager, one house.

Fitchburg, Mass.—William H. Rhuland, Grove street, house 30 x 75.

New York, N. Y.—Knight & Struck, 1 Madison avenue, house 40 x 100.

Los Angeles, Calif.—W. A. & Arthur Grosser, Fourteenth street and Central avenue, house 34 x 36.

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Each	Dos.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs and Supplies, 714 Chestnut Street, Philadelphia, Pa.

POULTRY and FRUIT REVIEW

A publication on the farm journal that reviews all poultry and fruit papers in United States, will be sent on trial one year to all who send 16 cents, to pay wrapping and postage, and names of three fruit or poultry raisers.

THE REX COMPANY
HARRISBURG, PA.

1000 READY PACKED CRATES

STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000	1 1/2 in.	@ \$6.00	500	4 in.	@ \$4.50
1500	2 "	" 4.88	456	4 1/2 "	" 5.24
1500	2 1/2 "	" 5.25	320	5 "	" 4.51
1500	2 3/4 "	" 6.00	210	5 1/2 "	" 3.78
1000	3 "	" 5.00	144	6 "	" 3.16
800	3 1/2 "	" 5.80	120	7 "	" 4.20
			60	8 "	" 3.00

HILFINGER BROS., Pottery, Fort Edward, N. Y.

August Roiker & Sons, 31 Barclay St., N. Y. City, Agents.
OUR SPECIALTY—Long distance and export trade.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.

New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts. Washington, D. C.

Imp Soap Spray

Effective one to thirty-two.
Single gallons, \$1.50
Eastern Chemical Company
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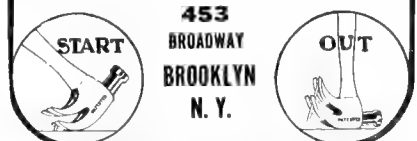
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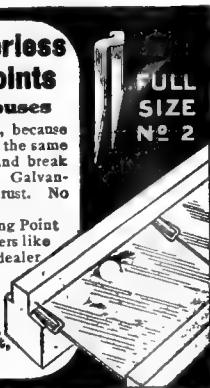
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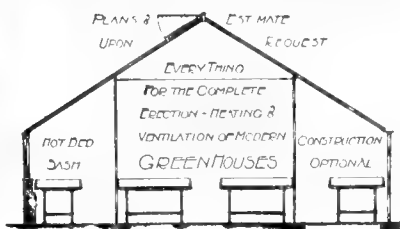
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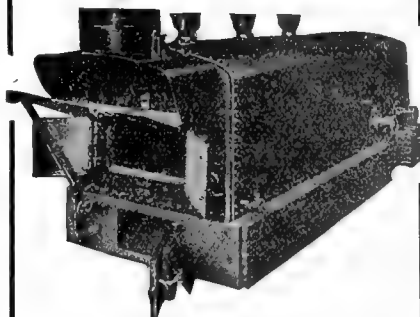
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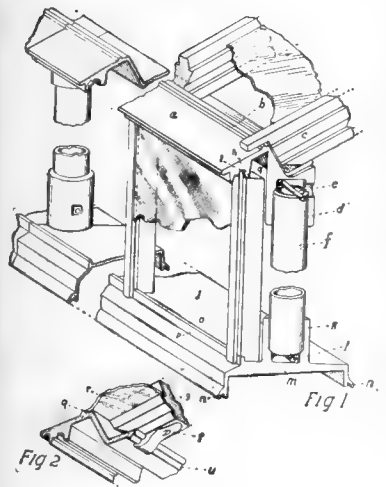
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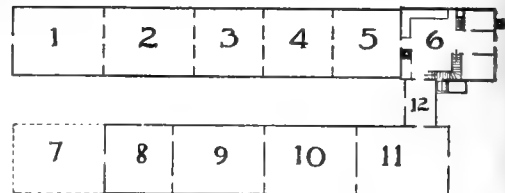
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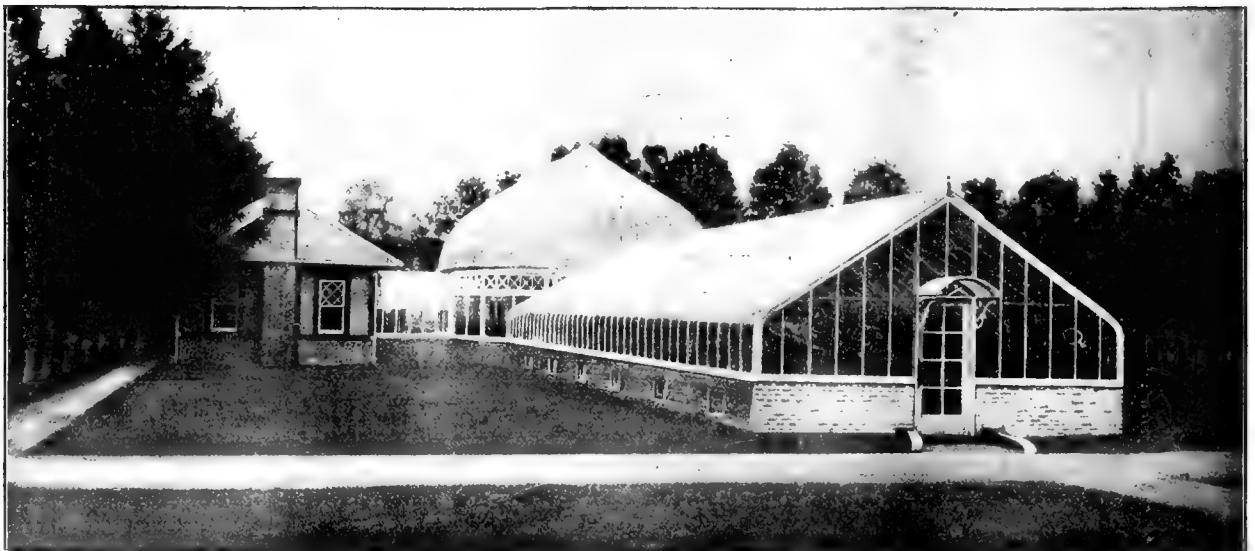
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HORTICULTURE

Vol. XVI.

AUGUST 31, 1912

No. 9



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This exhibit comprised about everything in the supply line a florist could be looking for in staple goods * * The new color in Parisian basket * * a bright russet and entirely new * * Mr. Bayersdorfer brought this novelty from Paris * * a very extensive and interesting exhibit.

From the "Florists' Review"

The Bayersdorfer exhibit was not only the largest in the hall, but the largest ever made at an S. A. F. convention. * * There were hundreds of styles of baskets, including two new colors—one a Nile green, the other a brown—discovered by Mr. Bayersdorfer in Paris. * * Gun metal tone ware was a distinct novelty. Decorated ivy vases and baskets were shown for the first time.

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THE FLORISTS' SUPPLY HOUSE OF AMERICA

1129 ARCH STREET - - - PHILADELPHIA, PA.

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Care of Summer Bulbous Plants

Gloxinias, tuberous-rooted begonias, achimenes, gesneras, etc., will soon be passing out of flower. All these tuberous plants will need to be gradually dried off, by withholding water a little more each time until they are thoroughly ripened up. When they are allowed to dry off too suddenly the life is taken out of them and they never give as good results as those that get especial attention. A good place to put those that are in pots for the present is in a cold frame or pit where they can have the sash on and be dried off gradually. They can stay here until they are thoroughly ripened. Before danger of frost arrives they can be removed to a dry shed or cellar and the pots laid on their sides. It is a good plan later on when you get time to shake out the tubers and label them and store in boxes in a dry place where the temperature is about 50 degrees.

Feeding Chrysanthemums

It makes no difference how rich the soil was when the benches were filled; they always need feeding from the time the buds make their appearance, and up until they begin to show color, when all stimulants should cease. There is no better fertilizing element than liquid cow or sheep manure. Where your stock is in good condition you can make up some liquid by placing in a barrel of from 45 to 48 gallons of water a half a bushel of cow manure, or, if sheep manure, half the quantity will be enough. Let it stand for a day or two so the water will be well impregnated before being applied. It is better for the average grower to start with one application a week and then increase it to twice a week. Where liquid manure is used with prudent care you will find a decided difference between the size and color of flowers where it is used and where it is not. It also gives that black green foliage and heavy stem which goes with an ideal flower.

Housing Decorative Plants

All tender stuff used outside for decoration or for tropical effect in bedding should within the next ten days be removed to their winter quarters so as not to let any frost reach them. Those that are planted out in beds or borders should be very carefully lifted and given the smallest sized pots that will hold them comfortably. Nothing is gained by putting them in too big pots as root action will be very slow from this out and when the sun begins to have power again—say in February or March—you can shift into larger pots. All these newly potted plants will need three or four sprayings overhead each day, until they become re-established. Give enough of water at the roots to keep the soil moist, and they

soon will start and make new roots. All decorative stock should have a thorough cleaning and sponging, followed by a good syringing which will be of great benefit in cleaning them of bud and scale.

Lifting Berried Solanums

Berried solanums should be lifted and potted now. Give the larger plants a 6-inch pot; a 5-inch pot will do for the ordinary run. Mix up a compost of three parts fibrous loam, to one of well decayed cow manure, and see that each pot has good drainage. Work the compost in and around the roots well so it will be firm when finished. Place them on a bench and give temporary shade for about a week, when they will stand full sun. Give them frequent sprayings overhead and keep them moist at the roots and they will quickly become established.

Perennial Border

Where you wish to make a show border there is no better time than the next three weeks. Fine perennials may be grown in almost any soil and position, but where the highest and lasting qualities are desired it will be necessary to select an open, sunny position, sheltered from the north winds, and clear of all roots of trees and shrubs. As these plants are to remain for some time undisturbed, make the ground loose to a depth of two feet at least. A satisfactory way is to throw off the surface soil and then dig over the subsoil good and deep and mix with plenty of rotten manure, bone and wood ashes. Where the drainage is imperfect, it must be provided with under-drainage to a suitable depth. When throwing back the top soil add well rotted manure, bone and wood ashes, and put in a finely pulverized condition. While it is possible to plant these perennials quite late in the fall, the earlier they can be planted the better, as it gives the young plants time to become established before hard freezing weather. They should be planted far enough apart so that when full grown they will not overcrowd one another. Use judgment when planting so as to blend colors throughout. Too great a mixture of colors often gives a tangled and untidy effect. By selecting different perennials you can maintain a succession of flowering the whole season until frost.

Stevia

Now is the time to lift stevias that are planted out. Great care should be used in handling as they are very brittle. Use a good rich soil to pot them in. When they are potted up stand them where they can have certain protection from frost. They should have some shade for a few days and be sprayed overhead two or three times a day until they take root. Keep as cool as possible.

Mr. Farrell's next notes will be on the following: Bouvardias; Cyclamen for the Holidays; Crimson Ramblers; Hydrangeas; Lathyrus; Making a New Peony Plantation.

FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

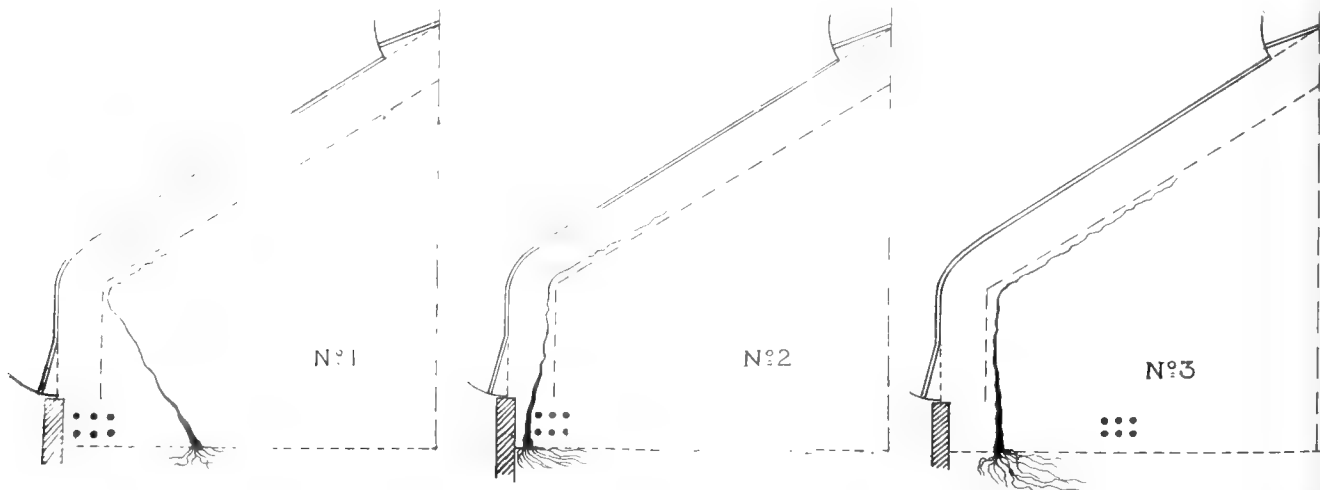
Christmas Melons

Melons for Christmas are a delicacy within the reach of all who have a small house in which to grow them. Sow the seeds at once and under ordinary conditions they should be in nicely for Christmas. The season in which they have to grow is the reverse to the earliest spring crops and with good weather for the first two months strong healthy plants will be built up and two good fruits should be carried by each plant. Take them along at a lively clip after setting, as it is easier to hold them up a week near Christmas than it is to finish them. Use a little extra lime rubble in the soil to help dry it out quicker than previous beds. As the crop is swelling the tendency will be to lie wet, with a gradually diminishing sun power. Hero of Lockinge, His Eminence and Superlative will be found reliable for this shift. Melons can be grown the year round but with so much excessive firing to consider, this is usually considered the last house until spring crops commence, December 1st, to furnish fruit for April. When growing later sowings than Christmas-ripe, pots are advisable to grow them in.

Position of Pipes in a Vinery

With some modern builders there seems to be a lack of certainty as to the correct position in which to place the heating pipes in a vinery. The general prevalent idea seems to be to push them up against the outside wall, without consideration of how and where the vine is to grow. Apparently the house is built for the pipes and not for the vines. When inquiries are made you are told it is the usual way and, without wishing to be a dictator, I think it is possible to prove the correct place for the heating pipes is a little further away from the vine than is generally thought. On theory the heating pipes

should be near the outside of the house combating the cold air. The hot air (or heat) radiates, reaching the top of the house, thus concentrating the heat on the outside glass, the center of the house readily warming itself. This is all good theory, but here is one instance where practise scores well over theory and it is the practical part of it which counts. The three sketches below illustrate vines growing and the pipes in position. No. 1 with the pipes at the side, the vine planted in the center of the border. Some foliage must be very close to the pipes and this spells trouble; the side of the border will persistently dry out, too, with a consequent loss of feeding roots, unless examined almost daily. No. 2—piping similar to No. 1, with the vine planted—no, crowded—at the back of the pipes. This has all its predecessor's disadvantages and more, inasmuch as it has not sufficient room to swell at the base and often is found hard against a pipe; many young feeding roots are burnt away and an even greater watch has to be kept on that strip of border immediately beneath the pipes or it will become as dry as a bone. A border is best kept evenly moist all over and when watering so many feet today and the rest next week this is impossible. No. 3 sketch plan has proved itself satisfactory by results obtained. The pipes are situated about the center of the border away from the bottom foliage. This gives access to the border immediately beneath the pipes, from both sides, making top dressing, etc., easy; the border will dry out evenly and the house is heated efficiently. Using the pipes in this position the first portion of the border made up will be inside the location of pipes. With young vines tied down near the glass to "break" in the cold weather, an allowance of two degrees can be made for them being in this position.



ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Red Spider

Now is the time to go over your benches carefully and make note of all spots where spider appears. The best way is to tie a piece of cardboard to stake or wire at such a place so that when syringing you can syringe these spots more thoroughly than the plants that do not need it so much. Unless you can rid your plants of spider altogether you will have all sorts of trouble when the dark days of the winter come. This applies especially to Beauties, as other roses are less subject to spot and Beauties are very apt to get it if syringed too often.

If spider is bad in places spray with some good insecticide advertised in HORTICULTURE, making sure that the spray reaches the under side of all leaves for here is where Mr. Spider and his kin make their home or rather would if they were left to themselves undisturbed by the rose grower. With the hot dry weather the houses can all be syringed very thoroughly without any danger of getting them too wet, for the benches will dry out very rapidly in weather such as we have had lately.

Old Plants

Old plants that have been cut down and replanted, or left in the bench—as the case may be—must be carefully looked after and by all means see that they do not receive too much water before they have enough top to give the roots plenty of work. If given too much water before any top is formed the roots will decay and the plants all die, and then no doubt “black rot” will be given credit for all that! When first beginning to water cut-down plants that have been run on the dry side for quite some time, water the ball of the plant only, gradually increasing the circle as the roots spread. With Teas it is a good idea to spray the plants over three or four times a day, continuing this until the buds begin to show. This syringing should of course be omitted on all cloudy or rainy days, doing it only when the day is clear.

Another great point is to make sure that the plants are not too dry, for if very dry and syringed the foliage will be badly scalded. This weakens the plants a good deal, and must be avoided. A very quick syringing is all that is necessary and there is no excuse whatever for soaking the benches while syringing to help soften the wood, to make the plants break more freely.

Leaky Houses

Many houses have to wait until next season for their coat of paint. There may be some pretty bad leaks in such houses. These ought to be repaired even though the house itself cannot be all puttied and painted. During a shower mark well all the bad leaks and as soon as an opportunity to repair these presents itself, do so, for a

continual drip, drip, drip, upon the bench does not agree with any rose. There may also be places where the glass is beginning to slide a little; mark all such spots and repair, for, should a heavy windstorm come these loose lights will surely blow out, taking or smashing others as they go.

Soil for Winter's Use

This should be stored under cover or, if no cover is to be had, heap it up in some easily accessible place where it can be covered with either straw, manure, or leaves to keep it from freezing. It is but little trouble to remove the covering and have the soil unfrozen even though the thermometer stands at zero. Prepare all your soil now. Winter is no time to be digging around after soil and trying to secure suitable mixtures for the different crops. Soil can easily be mixed and heaped up now and then it will always be on hand when wanted.

Sometimes soil for ever so many different crops is needed; it is then best to make separate heaps of the different soils and then have a heap of well decayed cow manure close at hand so that when a mixture of certain proportion is wanted it can be easily made.

Fumigating With Tobacco Stems

The practice of fumigating with tobacco stems still keeps up on many places although a large number of growers have given this method up altogether. To those who find it most convenient to use stems we think a little note on the subject may be of interest.

To begin with be sure to have the house down below 70 before attempting to fumigate. Fumigating when the temperature is above 70 is dangerous and should never be done unless absolutely necessary. The plants should never be dry; for the foliage of dry plants will burn much easier than if it had just been watered a few hours before. After a little experience a grower can easily determine just how dense the smoke should be to give best results. Do not have the stems too wet. It is best to sprinkle them a little in the morning if you want to use them at night. The water will then gradually soak into them leaving them uniformly damp. In burning the stems in the house be careful not to let the stems burn with a flame for if this happens the smoke will be too hot and unless your house is a high one, will burn the foliage of the plants.

Do not stand the pot in one place only. The house will never fill properly and the hot smoke in one place is none too good for the plants either. Take the pot to one end and gradually bring it to the other end, filling the house up as you go. It is not a very pleasant job, to say the least, and I am sure that after doing it once or twice, the growers will believe in starting with clean plants and keeping them clean.

HORTICULTURE

VOL. XVI

AUGUST 31, 1912

NO. 9

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

Per inch, 30 inches to page..... \$1.00

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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For the first time in its career the S. A. F. For 1913 found itself without an urgent invitation in the matter of its next place of meeting. Yet when the Society of its own choice had selected Minneapolis it transpired that an invitation to that city had actually been contemplated, thus giving a welcome assurance against possible embarrassment on the part of the city selected. We look for a splendid convention in the twin cities for 1913.

One of the most momentous questions before the S. A. F. and kindred organizations at the present time is that of publicity—the campaign of education to awaken the public to a greater appreciation of floral products and to encourage a more general use of these things. It is a big and rapidly growing industry which this movement will affect and it is most important that it shall be started right. No narrow-minded restricted proposition, no petty policy can suffice. A broad-visioned, comprehensive plan must be formulated and put in operation and this will call for the exercise of sound judgment and executive ability of the highest type. Our biggest and most experienced business men must be enlisted in this work if anything of value is to be accomplished.

Sebastopol, Cal., has been giving an apple show. Criticism has often been made, and not without reason, of the absurd monstrosities florists are sometimes called upon to "make up" in flowers, but the exploits of the California apple growers in this direction, as described in the San Francisco Chronicle certainly equal the worst atrocity ever perpetrated in the name of floral designing. "The Titanic wreck done in apples" is one which the Chronicle has deemed worthy of a half-tone engraving. Regarding this gruesome exhibit it says:

"In the sinking of the Titanic, the splendid exhibit of W. S. Liddle, a huge iceberg is shown made of dried apples, and the vessel plunging to its doom bow first is done in vari-colored green fruit. Miniature electric lights shine from the vessel, and give it a decidedly realistic appearance."

Can anyone suggest a punishment to fit the crime?

No more conspicuous instance of "the office seeking the man" has ever occurred in the history of the national Society than in the nomination and election of J. K. M. L. Farquhar as president and in the events leading up thereto. Mr. Farquhar's consent to allow his name to be presented one year ago at Baltimore for this position of honor was obtained only upon the urgent request of his admirers in Boston and elsewhere who knew his fitness and capability. He neither did nor said anything in advocacy or furtherance of his own candidacy. This year his attitude was decidedly negative and it was only two days previous to the election that the persistent appeals of his friends finally met with success and he became a candidate. The president-elect will go into office untrammelled by overtures or obligations of any sort except the pledge to serve to the utmost of his ability the organization which, with such invincible enthusiasm, has called him to this position of honor and large responsibility.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

Convention Report Completed

JUDGES' REPORTS.

The following additions to the judges' reports received too late for insertion last week were made and duly accepted:

H. Bayersdorfer & Co., Philadelphia, honorable mention for new French basket in French colored effect, standing electrolier, and gunmetal toneware; the chariot of peace and decorative ferns were highly commended.

Lion & Co. were highly commended for lace-edged chiffon.

Wertheimer Bros., New York, certificate of merit for gold lace chiffon ribbon; honorable mention for lace chiffon ribbon and for lace bridal tulle; high commendation for embroidered funeral design ribbon, fancy corsage ties and Jacquard chiffon ribbon.

L. Baumann & Co., honorable mention for artificial plants and flowers for decorative purposes.

J. A. Peterson & Sons, Cincinnati, certificate of merit for Dracaena Victoria.

M. Rice & Co., Philadelphia, certificate of merit for Florentine art basket and high commendation for metalloid finished basket.

Raedlein Basket Co., Chicago, high commendation for flower baskets.

Schloss Bros., certificate of merit for bowknot, rose and four-leaved clover Jacquard ribbon; honorable mention for bouquet holders and high commendation for gold ribbon with wire edge, rubberized ribbon for stem wrapping and on bridal scarfs.

The Brecht Co., St. Louis, certificate of merit for exhibit of refrigerators.

H. G. Dreyer & Son, Cleveland, Ohio, certificate of merit for plant stand.

Burlington Willow Ware Co., Burlington, Ia., honorable mention for baskets.

Illinois Self-Watering Flower Box Co., special mention for window boxes.

Knight & Struck Co., honorable mention for table of ericas and other plants.

Roseville Pottery Co., Zanesville, Ohio, honorable mention for pottery.

Jac Lederer, high commendation for refrigerators.

Lord Box Co., Minneapolis, certificate of merit for New Idea potted plant and flower box.

Williams Florists' Supply Co., Utica, certificate of merit for E-Z carnation support.

Foley Mfg. Co., Chicago, high commendation for malleable iron roof bar bracket.

Superior Machine & Boiler Works, high commendation for Standard Superior fire-box boiler.

Standard Pump & Engine Co., high commendation for electric pumps and pneumatic system of greenhouse water supply.

John C. Moninger Co., Chicago, high commendation for galvanized iron frame bench construction and pneumatic water supply systems.

Lord & Burham Co., New York, high commendation for ice cleaning transom, sash and sill.

After the election of officers and other closing proceedings of Thursday forenoon as detailed in our issue of last week, the Convention adjourned to meet in New York at the International Flower Show of 1913 and the bowling contests scheduled for Thursday afternoon at Bensinger's Alleys became the centre of attraction.

THE BOWLING.

There were nine teams in the field. As the following figures indicate, some of the erstwhile triumphant cities had to take a dose of unaccustomed medicine. Three strings each were played:

CLEVELAND.

Hart	550	Adgate	556
Friedley	422	Graham	545
Knoble	516	Totals	3589

BUFFALO.

Mansfield	533	Streit	460
Sandiford	517	McClure	525
Anderson	375	Totals	2410

CHICAGO.

Huebner	468	Wolf	474
Farley	428	Foerster	572
Asmus	414	Totals	2356

NEW YORK.

Manda	435	Smith	384
Irwin	463	Donaldson	552
Burns	507	Totals	2341

MILWAUKEE.

Holton	569	Zweifel	413
Pohl	403	Rusch	472
Mathewson	444	Totals	2391

DETROIT.

Bloy	471	Brouell	382
Fetters	482	Sullivan	504
Rahaley	441	Totals	2280

CINCINNATI.

Heckman	420	Murphy	490
Horning	464	Critchell	417
Schumann	467	Totals	2258

BALTIMORE.

Boone	474	Quick	384
Johnston	302	Seybold	535
Kline	401	Totals	2096

PHILADELPHIA.

Wescott	334	Connor	445
Kift	402	Robertson	468
Shober	302	Totals	1951

In the individual bowling there were 51 contestants. Those making 400 or over in three strings were as follows:

Ed. Schultz 538, C. Balluff 524, W. R. Pierson 507, V. Bergman 506, Peter Olsem 499, F. S. Ayres 496, John Zech 493, Al. Fischer 488, C. W. McKellar 487, D. Weeks 480, W. Cook 477, D. J. Scott 473, E. F. Winterson 463, F. L. Miller 461, C. N. Ruedlinger 454, L. H. Vaughan 449, Otto Goerlich 446, A. Zech 445, F. H. Traendly 442, J. S. Wilson 433, F. J. Krauss, Jr., 430, H. S. Will 419, W. J. Vesey, Jr., 419, A. Henderson 412, Andrew Wilson 408, J. P. Degnan 403, W. F. Kasting 402.

The ladies, who bowled on Thursday forenoon, played two strings each. There were 36 of them—and here is the record:

Mrs. C. W. McKellar 325, Mrs. F. H. Traendly 265, Mrs. S. H. Klein 253, Mrs. H. J. Quick 221, Mrs. Geo. Asmus 216, Mrs. J. W. Boone 207, Mrs. A. L. Vaughan 198, Mrs. C. Byers 196, Mrs. E. F. Winterson 194, Mrs. G. Smith 192, Mrs. E. A. Fetters 191, Mrs. G. W. French 182, Mrs. J. A. Manda 176, Mrs. A. M. Herr 168, Mrs. C. E. Critchell 166, Mrs. W. N. Rudd 145, Mrs. H. A. Bunyard 144, Mrs. J. C. Enders 143, Mrs. F. S. Ayres 138, Mrs. S. S. Tiegell 135, Miss Nellie B. Able 133, Mrs. M. Weeks 133, Mrs. A. Rasmussen 132, Mrs. A. F. Poehlmann 125, Mrs. A. Myers 117, Mrs. Adolph Poehlmann 115, Mrs. M. E. Miller 108, Miss Perle B. Fulmer 106, Mrs. P. M. Paley 106, Mrs. C. B. Thompson 105, Miss Phylliss Rudd 103, Mrs. Henry Schmieg 101, Mrs. W. W. Coles 93, Mrs. C. Quarles 80, Mrs. W. J. Johnston 71, Miss F. Virgin 40.

Mrs. Chas. McKellar, as was anticipated by all who know her, made the highest scores and won the silver loving cup, the special prize of \$50 in merchandise and several other prizes; Mrs. Traendly won a cut glass pitcher; Mrs. S. H. Klein a silver cup and the special \$25 prize; Mrs. Geo. Asmus, coral beads; Mrs. A. L. Vaughan,

kodak; Mrs. E. F. Winterson, brass basket.

THE DAY AT RAVINIA PARK.

Friday, the fourth day of the Convention, had been set apart for pleasure, as guests of the Chicago florists and allied trades. It required two special trains to carry the visitors from Chicago to this noted resort and everything possible was done by the local committees to make the occasion one of pleasure long to be remembered by all who participated. The grounds are beautifully laid out and the expansive playstead and grand stand in its setting of woodland scenery made an unexcelled location for the much-heralded baseball game between the Chicago and "All Stars" teams, and for the various races and other athletic events that had been scheduled.

A large bed of King Humbert cannas at the entrance of the grounds was the centre of an admiring throng. All agreed that never before had they seen so superb a canna display. King Humbert is certainly the grandest canna in existence and here it outdid itself. A fringe of Eulalia gracilimum and dwarf salvias gave an effective finishing touch to the group. Under the leafy forest canopy luncheon was served at noon and in the spacious pavilion dinner was enjoyed in the evening, after which the visitors listened to opera and the Theodore Thomas orchestra, which had also given a grand concert in the afternoon.

Immediately following dinner an interesting event took place—the presentation to President Vincent and Mrs. Vincent of a handsome set of silverware. The presentation speech was made by President-elect Farquhar, who expressed the hope that future generations of Vincents might look upon the gift with pride in the achievements of their illustrious ancestors. Mr. Vincent replied appreciatively, saying that he had tried to do what he could for the Society's welfare and expressed good wishes for the future.

Robert Craig and E. G. Hill followed with brief and, at times, humorous addresses and Mr. Farquhar closed this part of the proceedings with an urgent appeal for loyalty and activity in all departments of the work of the Society, emphasizing particularly the International Flower Show to be held in New York and the convention of 1913 in Minneapolis, Minn.

THE GAMES AT RAVINIA PARK.

The baseball game was a prime attraction. The "All Stars" beat the Chicagos by the close score of 11 to 10 in a 10-inning game.

Girls' race, 10 years and under, 40 yards
1st, Florence Nieman; 2nd, Bernice Buckley.

Boys' race, 10 years and under, 40 yards
1st, J. Aubling; 2nd, J. D.

Girls' race, 15 years and under, 60 yards—1st. Beatrice Asmus; 2nd. Florence Vaughan.

Single ladies' race—1st. Esther Hartigan; 2nd. Miriam Hancock.

Married ladies' race, 50 yards—1st. Mrs. G. Smith; 2nd. Mrs. B. Bergman.

Men's race, 125 pounds and over, 200 yards—1st. E. E. Ludwig; 2nd. L. Koropp; 3rd. J. Poehlmann.

Fat men's race, 200 pounds or over, 100 yards—1st. L. Critchell; 2nd. J. Manda; 3rd. T. Shober.

Broad jump—Won by W. W. Warring.

Sack race—Won by J. Poehlmann.

Three-legged race—1st. Currie and Pollworth; 2nd. Perkins and Gornley.

High jump, 3½ feet to enter—Won by David Scott.

Hot stuff dash, 50 yards and return—1st. August Poehlmann; 2nd. Geo. Asmus.

Hop, skip and jump—Won by David Scott.

PRESENTATION TO SECRETARY YOUNG.

Amid the noise and confusion attending the disruption and removal of the trade exhibits, there was a little gathering of the exhibitors and other friends of the secretary and exhibition manager, John Young of New York. At a well conceived moment the secretary was seized, and amid cries suggesting force, was pushed or carried to a clear spot, where what appeared to be a "row" on the part of the exhibitors at once commenced. President Vincent appearing, the unfortunate victim was charged with all sorts of things. The president sought to pacify the crowd and heard in whispers the charges made against the secretary. "I am very sorry, Mr. Young," said Mr. Vincent, "to hear the charges made against you at this time, when the exhibition is over. I think it is a serious thing for a man to be suspected of having done things which have in great measure ended in the disruption of the exhibition at this date, and these good people evidently are determined that you should be watched, a determination with which I am entirely in accord; therefore it is my duty, in their behalf, to now "watch" you with this handsome gold watch in the hope that you may live long to wear it, and in wearing it think of those whose pleasure it is to remember your many acts of courtesy in your official and dual position at this convention."

Mr. Young, who was taken by surprise, in language somewhat feeble through his very palpable emotion, made suitable response amid much cheering.

ENTERTAINMENTS.

As briefly mentioned in our last issue, on Wednesday a number of the Chicago florists kept open house. Over 700 visited the Poehlmann Bros.' establishment at Morton Grove in two trains. An object of special interest was the new electric soil mixer just installed and which seemed able to perform wonders in its line. Poehlmann Bros. kept up their reputation as ideal entertainers by serving lunch at the Wayside Inn.

One hundred and forty accepted the invitation of E. C. Amling to visit their greenhouses and those of the other seven florists in Maywood. They met at the store, 70 E. Randolph street, and took the train to Maywood, where autos were waiting for them. Supper was served at Forest Park after an afternoon of genuine pleasure.

Frank Oechslein's plant range was daily the object of attraction. Being



FERN EXHIBIT OF F. R. PIERSON CO. AT CHICAGO

inside the city its convenient location made it possible for those to visit it who had never had an opportunity before and they were well repaid, for every plant was apparently dressed in its best for the convention week. As Mr. Oechslein served his apprenticeship in the east he was able to extend a welcome to many of the eastern growers, who were certainly surprised at the plant he has here.

Bassett & Washburn are building this year and therefore had little to offer, but two automobiles met the early trains at Hinsdale where the old plant is and after visiting it the party was taken to Gregg, the new site.

REPORT OF COMMITTEE ON FINAL RESOLUTIONS.

Whereas, The Twentieth eighth Annual Convention now closing will, we believe, live in the annals of the Society as one of the most successful and enjoyable in the history of the organization, and desiring to recognize the efforts made to achieve these results, we therefore submit the following:

Be it Resolved, That the thanks of the Society are hereby extended to the officers and members of the Chicago Florists' Club for their lavish hospitality, the splendid efforts made for our comfort and pleasure and their untiring care of us while in their midst. We desire to couple with them, in this recognition, the men of the allied trades in Chicago who worked hand in hand with them.

Our special thanks are due to the Board of Park Commissioners for the great interest manifested in the exhibition, and their splendid display of plants which was such a feature.

We also desire that the thanks of the Society be extended to the various exhibitors and the advertisers in the souvenir album.

Our thanks are also due to the daily press of Chicago for the notices given of the Convention and Exhibition.

In closing, we wish to specially express our appreciation of, and tender our heartfelt thanks to, the ladies of Chicago and the Ladies' Society of American Florists for all they did to entertain the visiting ladies. We recognize that the work done by them was a potent factor in the social success of the gathering.

PATRICK O'MARA,

E. G. HILL,

J. OTTO THILLOW,

Committee.

LADIES' SOCIETY OF AMERICAN FLORISTS.

The annual meeting of the Ladies Society of American Florists was held on Wednesday morning, August 21st, the President, Mrs. J. W. Boone of Baltimore in the chair, Mrs. Chas. H.

Maynard in her place as Secretary. The usual order of business was despatched, the Secretary's report showing 261 members, including 34 new members taken in during the year. The report of the Treasurer showed between \$500 and \$600 in the treasury.

Officers elected at this meeting to serve for the ensuing year were the following: Mrs. F. H. Traendly, New York, President; Mrs. Chas. W. McKellar, Chicago, 1st Vice-President; Mrs. George Asmus, Chicago, 2nd Vice-President, Mrs. Albert M. Herr, Lancaster, Pa., Treasurer; Mrs. Chas. H. Maynard, Allen, Mich., Secretary.

An appropriation was voted, to be in effect annually hereafter, of \$25 for first prize for ladies' bowling tournament.

At the ladies' reception Thursday evening, Mrs. A. M. Herr, in behalf of the society presented Mrs. J. W. Boone, retiring President, a beautiful brooch of 78 pearls and diamonds. Mrs. Chas. H. Maynard thanked the ladies on behalf of Mrs. Boone, who was suffering from severe throat trouble. Mrs. Maynard says "Entertainment tickets" were a perfect success.

CHRYSANTHEMUM SOCIETY OF AMERICA.

This Society held a meeting on Thursday. Matters concerning the National Flower Show were discussed. It was decided that they ask the S. A. F. for its medals to be awarded at the National Flower Show under the auspices of the C. S. A.

AMERICAN ROSE SOCIETY.

A meeting of the Rose Society was held on Thursday morning. The schedule of prizes in the cut flower section of the National Flower Show was under consideration. The Executive Board will meet in New York within the next ten days to complete the schedule.

AMERICAN SWEET PEA SOCIETY.

At the meeting of this Society on Thursday, President Sim urged members to make their plantings now so as to have cut stock in readiness for the National Flower Show. A big sweet pea display is assured for that event.

AMERICAN GLADIOLUS SOCIETY.

The annual meeting was held Aug. 23, 9.30 A. M. A speech of welcome was made by President Vincent of the S. A. F. President Hendrickson read his annual address. Secretary Gage presented his minutes. E. H. Cushman reported for the judges, A. Cowee for the color chart committee, Prof. Beal for the nomenclature committee and Mr. Youell for the exhibition committee. It was voted on motion of B. Hammond Tracy that members of the society pay \$1.00 for registering new varieties and non-members pay \$2.

Officers were elected as follows:

President, I. S. Hendrickson, Floral Park, N. Y.; vice-president, Matthew Crawford, Cuyahoga Falls, Ohio; corresponding secretary, L. Merton Gage, Groton, Mass.; financial secretary, H. Youell (pending the decision of the Executive Committee in regard to abolishing this office); treasurer, Carl Cropp, Chicago, Ill. Executive Committee: Arthur Cowee, Berlin, N. Y.; E. E. Stewart, Rives Junction, Mich.; Maurice Fuld, Philadelphia, Pa. Nomenclature Committee: Prof. Beal, Ithaca, N. Y.; Arthur Cowee, Berlin, N. Y.; Leonard Joerg, Flowerfield, N. Y.

Prof. Whetzel of Cornell University gave a most interesting and instructive talk on the diseases of the gladiolus. A petition, to which a large number of signatures of growers were attached, calling for a change of the customs tariff on gladiolus bulbs, was read by Mr. Cowee.

List of Awards:

W. A. Burpee's prize—Best collection, 10 varieties, 3 spikes each; E. E. Stewart, Rives Junction, Mich.

M. Crawford's prize—Best 12 spikes, white; Jacob Thoman & Sons, Rochester, N. Y.

E. H. Cushman's prize—Best 25 spikes, white; Jacob Thoman & Sons.

Vaughan's Seed Store prize—Best 25 spikes Kunderd's Glory; A. E. Kunderd.

T. A. Havemeyer's prize—Best 6 spikes, white; Jacob Thoman & Sons.

T. A. Havemeyer's prize—Best 6 spikes, bluish or pink; John Lewis Childs.

T. A. Havemeyer's prize—Best 6 spikes, yellow; John Lewis Childs.

T. A. Havemeyer's prize—Best 6 spikes, scarlet or red; Arthur Cowee.

T. A. Havemeyer's prize—Best 6 spikes blue; H. W. Koerner, Milwaukee, Wis.

P. Hendrickson & Co.'s prize—Best 12 varieties not now on market; Arthur Cowee.

Frank Banning's prize—Best vase America; Cushman Gladiolus Co.

C. Betscher's prize—Best collection Primulinus and its hybrids; A. E. Kunderd.

N. L. Crawford's prize—Best red seedlings, to be distinct and valuable; Arthur Cowee.

Mrs. Francis King's prize—Most harmonious and beautiful color arrangement of gladiolus; Vaughan's Seed Store.

A. H. Austin's prize—Best collection 10 new varieties never before exhibited, 3 spikes each; Arthur Cowee.

Jacob Thoman & Sons' prize—Best 25 spikes, white; Jacob Thoman & Sons.

E. E. Stewart's prize—Best 25 spikes Golden Queen; Cushman Gladiolus Co.

A. Henderson & Co.'s prize, \$7.50—Best collection white varieties, named; Arthur Cowee.

Rowehl & Granz's prize—Best exhibition Augusta; B. Hammond Tracy.

AMATEUR CLASS.

A. T. Boddington's prize—Best collection 6 varieties, 6 spikes each; divided between Albert A. Rosin, Rochester, N. Y., and T. H. Darlington, F. W. Popp, gardener, Mamaroneck, N. Y.

S. E. Spencer's cup—Best 25 spikes mixed varieties; T. H. Darlington.

Arthur Cowee's prize—Best 25 spikes Peace, Wm. Robertson, Jenkintown, Pa.

Dr. C. Hoeg's prize—Best seedlings; Grace Reshore, Dowagiac, Mich.

John Lewis Childs' prize—Best display 15 varieties, 3 spikes each. T. H. Darlington.

Stumpp & Walter Co.'s prize—Best display 10 named varieties, 3 spikes each; T. H. Darlington.

American Gladiolus Society's silver medal for best exhibit of 15 varieties correctly

named, 3 spikes each; Miss Grace Reshore, Dowagiac, Mich.

Michell silver medal for the best white gladiolus at the exhibit, went to Jacob Thoman & Sons, Rochester, N. Y., for variety "Rochester White."

Michell bronze medal for the best pink gladiolus at the exhibit, went to John Lewis Childs, Floral Park, N. Y., for variety "Panama."

Corresponding Secretary's Report.

A meeting of the executive committee of the American Gladiolus Society was held in New York City on December 6th, with the following members present: Arthur Cowee, E. W. Fenger, A. T. Boddington, I. S. Hendrickson.

The matter of a die and medals was discussed and it was finally decided to purchase a die and offer ten sets of medals the first year to as many local horticultural societies. It was thought best to offer a silver medal for the first prize, and bronze medal for second prize, the ten sets of medals to cost \$70.00.

The matter of registration bureau was taken up, and it was decided to combine this committee with that of the nomenclature committee already established, with trial grounds at Ithaca, New York where all tests can be made. It was the sense of the meeting that certificates of merit should be awarded only by the nomenclature committee, and not by judges appointed for the annual exhibition.

Prize winners for best article on Gladioli, written for amateurs, Mrs. Francis King, Alma, Mich., first; Mrs. May B. Crane, Hammondsport, N. Y., second.

President Hendrickson appointed Mr. Cowee and Mr. Beal as members of the color chart committee.

I regret having to report the death of two of our members, Professor L. B. Judson, who was one of the little party of organizers at Boston, and W. H. Dunning of New York City who joined our ranks but recently.

Our New Medals.

The face or obverse side represents a spike of gladiolus flowers with "American Gladiolus Society" engraved around the rim. The reverse side is a simple wreath of gladiolus blooms, with space for engraving. The design is unique and original. The medal is made in sterling silver, colored silver gray, and is also made in bronze, and was designed and made by the Boston Badge Co., Boston, Mass. The medals will be given to the representative horticultural societies which will offer them, in their schedules, to be competed for by amateur exhibitors of gladiolus blooms at summer shows. The conditions require that the individual exhibits shall consist of fifteen named varieties, three spikes each, the same to be correctly labeled. The silver medal is for the first prize and the bronze medal for second prize. The following societies have been given sets of these medals for their summer exhibitions: Massachusetts Horticultural Society, Boston; Newport (R. I.) Horticultural Society; Southampton (L. I.) Horticultural Society; St. Catharines (Ont.) Horticultural Society; Pasadena (Cal.) Horticultural Society; Melrose (Mass.) Horticultural and Improvement Society; Worcester County Horticultural Society, Worcester, Mass., and Elber-

on Horticultural Society, Asbury Park, New Jersey.

I have received two letters from the secretary of the National Gladiolus Society and the two numbers of their National Hand Book and have sent them copies of all of our bulletins. The secretary, Mrs. Atkinson, writes that it is the earnest desire of the National Society to exchange views and co-operate with our society in straightening out the nomenclature.

The correspondence has been very large for the past year, and includes many letters soliciting new members which have brought quite satisfactory returns and I have fourteen to my credit. Ten more sent in by other members have been sent to me, besides some more that were sent to Mr. Youell direct.

I believe it would be a good idea to offer a prize to the one securing the largest number of new members for the coming year, and I will promise not to enter the contest because I think the secretary would have a little advantage in a contest of this kind.

As chairman of the Bulletin Committee I would say that there are members of our society that could give us a great deal of help in making it more readable and interesting, if they would only feel so inclined. We need items of interest and material for our question box, and any grower, the beginner as well as the grower of long experience, can often give us valuable suggestions.

Thanking those who have given us a helping hand and earnestly asking, like Oliver Twist, for more, I submit this report for your consideration.

L. MERTON GAGE.

AMERICAN CARNATION SOCIETY.

The American Carnation Society held a well attended meeting on Thursday morning. The schedule of the premiums for the National Flower Show was fully discussed and general plans outlined.

CONVENTION NOTES.

A correspondent suggests that Thursday, August 22, was "ground-hog" day in Chicago.

The Coliseum was perfectly adapted to the purpose of an exhibition hall but the room used for the meetings was the noisiest and most unsatisfactory the society has ever had.

Many souvenirs in the form of pencils, thermometers, knives, pocket-books, etc., were given away by exhibitors and will long serve as pleasant reminders of the occasion and the donors.

F. C. W. Brown had a good audience for his talk on floral decorative art and he was well entitled to it for his remarks on simplicity and the avoidance of overcrowding were decidedly to the point.

The splendid groups of decorative plants and masses of cannas and geraniums from the various parks of Chicago were strong attractions and added immensely to the general effect of the great exhibition hall.

The Hitchings & Co. exhibit of greenhouse construction and heating was installed and in charge of J. MacArthur and the Lord & Burnham exhibit was staged under the direction

of George Sykes, manager of their Chicago office.

Farquhar and Wirth are a great team to look forward to for 1913. Mark it down as certain that the New York Flower Show and the Minneapolis Convention, under such leadership will leave a shining record on the pages of S. A. F. history.

The daily lunch in the basement was a feature admirably carried out and, in this instance, was greatly appreciated by the visitors. The exhibitors were especially benefited by this generous provision as it helped to keep customers in the building and was a great convenience to them in many ways.

E. G. Hill's suggestion that the S. A. F. purchase a big exhibition tent to be used when hall rents are too high is not without merit. Mr. Hill can speak from his experience abroad last spring and we should like to hear more of it. It has much more to commend it than anything thus far presented regarding a "home."

August Poehlmann's words in advocacy of harmony and fraternal agreement, "each for all and all for each," at the close of the visit to his establishment at Morton Grove, were full of noble sentiment and well worth remembering. Personalities and acrimony discord make for disintegration and men who foster such are among the worst enemies of any organization. Happily, the S. A. F. is probably as free from this blight as any society in existence. May it so continue.

REPORT OF THE ENTOMOLOGIST.

This valuable report by Prof. Thos. B. Symons is too lengthy to present in full at this time but we shall hope to find room for it all in succeeding issues. In his introduction Prof. Symons said:

There is no doubt that the phase of Entomology relating particularly to the insect pests that are troublesome to the florist and ornamental horticulturist has not been given the attention that the industry represented demands. In no State institution with which I am familiar is there provision for one man's time devoted to the study and control of these pests, notwithstanding the industry in many individual states alone would more than justify the employment of men to devote their whole time to the study of insect and disease problems of the florist.

As a member of the Committee of American Association of Official Horticultural Inspectors on National Legislation, I have kept in close touch with the movement to secure an adequate national inspection bill which will serve to protect all horticultural interests from new insect and disease pests, and at the same time will not work a hardship upon any particular industry. We hope to secure the passage of this bill by the Congress now in session.

I also desire to say that it will be my pleasure to serve any or all the members of this Association in identifying insects or giving information for their control, as occasion arises.

Then followed detailed descriptions of and remedies for the following: The Greenhouse Orthenia, Short-Tailed Mealy Bug, Long-Tailed Mealy Bug, Hemispherical Scale, Soft Brown

Scale, Olive Scale, Long Scale, Olean-der Scale, Enonymus Scale, Circular Scale, Miscellaneous Scale. Approved remedies and their application were then given.

THEODORE WIRTH.

A regrettable incident in connection with our partial report of the Chicago convention in our issue of last week was the omission, through a careless blunder of the Western Union in transmitting telegram, of the name of the gentleman elected to serve as vice-president for 1913—Mr. Theodore Wirth



THEODORE WIRTH.

Vice-President Elect Society of American Florists.

of Minneapolis. Mr. Wirth's nomination and election were unanimous and we know he will by his splendid ability and efficiency in that important office fully justify the confidence so well demonstrated in this action by the society.

REPORT OF A. L. MILLER, STATE VICE-PRESIDENT FOR NEW YORK.

As State Vice-President, New York East, including New York city and vicinity, I find, in investigating, that there is an increase in all branches of the business. The greenhouse constructors, pot manufacturers, seedsmen, supply men and the importers, all report an increase over last year. The store men also report a good season—Easter trade being exceptionally good.

There has been considerable greenhouse building in the commercial line but not so much private construction. On Long Island quite an amount of glass has been erected for growing carnations and sweet peas, and a more limited amount for growing general stock. As the land is getting too valuable and the taxes too high in Greater New York, the glass is gradually decreasing, the growers moving beyond the city line.

The greenhouse constructors inform me that, at the present time, it is impossible for them to take any more

contracts for immediate delivery. The demand, they say, has been mostly for large modern houses for the growing of carnations, sweet peas and vegetables all over the country, especially in the middle west. The pot manufacturers report an increase of over 25 per cent. above last year. The importers report that there has been 20 per cent. more orders placed with them this year for azaleas, for small to medium sized plants; they also report that on account of the dry season in Germany, first-size valley pips are over-sold and will be scarce, and that Lillium formosum and Roman hyacinth crops are short.

Last winter the cut flower growers complained about the low prices, especially for orchids and gardenias, the price being the lowest in the history of the New York market; the rose growers also complained very much. Easter plants sold well and were in great demand. The carnation growers have now completed housing their plants, which have not made much growth in the field.

An important event in the florist trade in New York State was the organization, pursuant to a call issued by the New York Florists' Club, of the New York State Federation of Floral Clubs, at Cornell University, on February 23rd, last. Delegates from a number of clubs and horticultural societies met on that date, formed the organization, and adopted a constitution and by-laws, the objects of the federation being to promote in all possible ways the art of floriculture, ornamental horticulture, and gardening under glass, including educational and civic improvement benefits arising therefrom, among the people of the State of New York. Each club or society in the state has the right to appoint or elect one delegate for each twenty-five members in good standing. The treasurer of the S. A. F. and O. H., W. F. Kasting, was elected president, and our secretary, John Young, was elected secretary of the new organization. Resolutions were passed during the meeting pledging the support of the organization in an effort to secure a state appropriation of \$75,000 for erecting greenhouses for experimental work in floriculture at Cornell University. The federation is to hold its meeting during the week of the State Fair at Syracuse. It will thus be seen that the trade in our state is now organized and the organization is expected to become an important factor in the obtaining of state aid in the development and advancement of horticulture within the state.

The National Flower Show is the great topic and we are striving to make this the greatest show in the history of the country. Chas. H. Totty and his committee will leave nothing undone that will help to make this a grand success, the New York Florists' Club assisting with all its power. The National Flower Show, taking place in New York City, will give us the opportunity of inducing a great many to become members. We certainly hope to have all the members of the S. A. F. and O. H. give us the pleasure of meeting them in New York city next spring.

In conclusion I am glad to be able to say that our state heads the list with 234 members, 54 more than any other state.

Clubs and Societies

VEGETABLE GROWERS' ASSOCIATION.

At the fifth annual meeting of the Vegetable Growers' Association of America, at Rochester, September 4th, 5th and 6th, a somewhat different plan from that of previous years has been adopted. Each session is to be devoted to a single general topic, with papers by eminent authorities on its different phases. The general topics of discussion are crop rotation, plant breeding, soil fertility, greenhouse problems, and cooperation, all treated from the standpoint of the vegetable man.

Dr. H. J. Webber of Cornell University, who is to open the discussion on plant breeding, has been a leader in the advancement of scientific plant breeding both in the college world and in the field. The second part of the period will be occupied by O. G. Bishop of Pontiac, Michigan. The discussions of the soil fertility session will be led by Dr. C. E. Thorne, Director of the Ohio Agricultural Experiment Station, and Prof. E. O. Fippin of Cornell University. Prof. R. L. Watts of the Pennsylvania State College, Prof. T. C. Johnson of the Virginia Truck Experiment Station, and Mr. H. F. Thompson of Massachusetts, are to deal with the questions of crop rotation. Greenhouse building will be taken up by Prof. W. J. Wright of Alfred University, New York, and soil sterilization by Mr. Chauncey West of Irondequoit, New York. Mr. C. R. White, president of the New York State Vegetable Growers' Association, will speak at the closing session on cooperation.

The sessions of the Association are to be held in Convention Hall, Rochester. Headquarters have been opened at the Powers Hotel, where the annual banquet will be held on Thursday evening.

The Munroe County Market Gardeners' Association, are planning for a splendid exhibit of local products by many of the leading manufacturers of supplies for vegetable producers.

Complete programs of this meeting may be secured by writing to S. W. Severance, 508 Walker Building, Louisville, Kentucky, or to Paul Work, College of Agriculture, Ithaca, New York.

CONNECTICUT HORTICULTURAL SOCIETY.

On the 23rd inst., business meetings were resumed. Efforts this autumn are to be concentrated upon the Dahlia Exhibition at Unity Hall, Hartford, September 19-20. The Chrysanthemum Exhibition in November will, this season, be omitted.

Special prizes have been liberally offered for the Dahlia Exhibition, among which are the following:

By H. L. Metcalfe, Hartford, \$2 for largest dahlia bloom. 1st prize \$1.25, 2nd 75c.

By a member (anonymous), for 6 vases of gladioli, 6 blooms each, distinct varieties, 1st \$3, 2nd \$2.

By Thomas J. Grey Company, Boston, for collection of dahlia blooms, 12 distinct varieties, one bloom each. 1st \$3, 2nd \$2.

By C. H. Sierman, Hartford, for exhibit of dahlias in pots not exceeding 10 inches in diameter. 1st \$6, 2nd \$4.

By Joseph Breck & Sons' Corp., Boston, for collection of asters, 50 blooms of each variety. 1st \$6, 2nd \$4.

By Stumpp & Walter Co., New York, silver cup for collective exhibit of greatest merit. This prize is intended for the in-

SPECIMEN HYDRANGEAS.



James Warr, gardener on the estate of Mr. C. S. Eaton at Marblehead Neck, Mass., sends us the photograph herewith reproduced. The plant on the left hand side has 220 flower trusses; the one on the right, 225

trusses; the plants are 18 ft. in circumference. Mr. Warr says that the plants have grown to their present size in three years. The lawn back of the plants is a putting green and at the rear is a magnificent tennis court.

dividual having the best all-around exhibit, quality and quantity both considered.

By Arthur T. Boddington, New York, for collection of vegetables, to be judged by the scale of points in use by the Lenox Horticultural Society. 1st \$12, 2nd \$8, 3rd \$5.

Vice-President J. Alfred Weber, of Hartford, will again have charge of the immense floricultural exhibit at the Connecticut Fair, at Charter Oak Park, which opens on Labor Day, September 2nd, with ex-President Roosevelt as one of the attractions.

Our Society has just suffered the loss of a valued and honored life member, in the sudden decease of Stephen Delbar, of Hartford, who dropped dead on Monday last, after a long and useful life. He was a lover of horticulture, and a member of the former organizations out of which our present Society evolved.

GEORGE W. SMITH, Secretary.
Melrose, Conn., August 27, 1912.

NEWPORT HORTICULTURAL SOCIETY.

After a suspension of regular meetings for two months this Society held a business meeting on the evening of August 27th. The main business was the arrangements necessary for the fall show, which is dated for September 14, 15 and 16, and also for the annual ball which is to be held on the evening following the close of the show. The schedule for this show is a particularly attractive one, including many special prizes for plants, flowers, fruit and vegetables, with the usual table decorations on the third day. From present indications the exhibits will be numerous and a better attendance of visitors than usual is expected.

CLUB AND SOCIETY NOTES.

There will be an exhibition of Gladioli, Montbretias and other summer blooms, in the Museum Building of the N. Y. Botanical Garden on Saturday, Aug. 31, and Sunday, Sept. 1, under the auspices of the Horticultural Society of New York.

E. J. Shaylor of Wellesley Farms,

Mass., will give a talk before the New Bedford Horticultural Society, in Library Hall, New Bedford, Mass., on the evening of September 6th, at 8 P. M. Subject, "Paeonies."

WM. F. TURNER,
Chairman Com.

The September meeting of the Florists' Club of Washington is scheduled for Tuesday evening next. On September 5 the club will hold a field day at the Chain Bridge-Potomac Heights reservation. Here will be run off the various games and athletic events which had been postponed from the outing held in July. Glen Echo and Cabin John Bridge cars pass the park.

WASHINGTON NOTES.

Mrs. E. C. Mayberry is spending several weeks at Meadows, Md., visiting relatives.

E. C. Mayberry has returned from a very pleasant fishing trip with W. W. Kimmel at Blackstone's Island.

O. A. C. Oehmler, with Gude Bros., is finishing up a vacation at his cottage at Colonial Beach, Va. Walter Hawley, with the same firm is in Boston, Mass.

The family of Adolphus Gude are spending August at Atlantic City as are the Misses Amelia and Louise Gude, daughters of Mr. and Mrs. W. F. Gude, who are registered at the Hotel Strand with Mrs. Catherine Loefler.

CINCINNATI PERSONALS.

Wm. Gear went to the Chenoux Islands from the Chicago convention.

C. E. Critchell is spending a month in Canada in the St. Lawrence region, and in Michigan.

Visitors: Harry Papworth, New Orleans; Jas. P. Keller and John Keller, Lexington, Ky., and Harry Gravo, Dallas, Texas.

MIGNONETTE--Farquhar's Universal

One of the finest MIGNONETTES for the greenhouse, producing immense flowers. Spikes of reddish green, sweetly scented.

The seed we are offering was raised for us under glass and saved from selected spikes.

Packet \$1

R. & J. FARQUHAR & CO., 6 & 7 South Market St., Boston, Mass.

BRITISH HORTICULTURE.

Some New Roses.

A batch of meritorious new roses has charmed the enthusiasts at the shows this season. The gold-medal roses at the National show were Mrs. Andrew Carnegie and Old Gold. The first named, shown by Cocker & Sons, of Aberdeen, is a seedling from Frau Karl Druschki crossed with Niphetos. It is a handsome bloom of pale lemon white. Old Gold, raised by S. McGredy & Son, Newtonards, Ireland, is of scarlet orange. Messrs. McGredy & Son have another splendid novelty in Mrs. Edith Part, which has been aptly described as having something of the tint of a highly-colored Beaute Inconstante blended with Lady Pirrie. The same firm are showing Lady Mary Ward, a deep orange, and Mrs. Fred Vanderbilt, of a pleasing hue. Hugh Dickson, Belfast, Ireland, has some sterling new introductions in Mrs. C. D. Hunting, William Cooper and Mrs. R. D. McClure. Queen Mary, from A. Dickson & Sons, Newtonards, Ireland, bears a resemblance to the old rose Luciole. Sunburst is another useful addition to M. Pernet-Ducher's long list of excellent varieties. Moonlight, pale creamy white, is a perpetual-flowering moschata rose raised by the Rev. J. Pemberton, who also has an attractive pink variety Dinah. These few selections by no means exhaust the list of the good things which will be welcomed by the large and increasing army of rosarians.

The Sweet Pea Show.

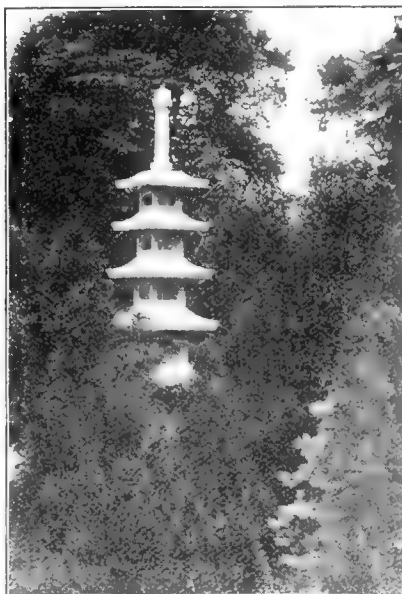
The remarkable development which has taken place in the form, size, and color of the sweet pea was fully demonstrated at the National Society's show at the Royal Horticultural Society's hall in London, on July 9th—the same day as the rose show. The gallery at the end of the hall was radiant with a lavish embellishment of sweet peas, whilst the floor was completely filled with a kaleidoscopic assortment. The trade groups were triumphs of successful culture; the decorative classes afforded instructive hints for the effective use of the blooms for

floral adornment. W. J. Unwin, who has raised some of the best known varieties, received a gold medal for a magnificent group. The new introductions included Walter P. Wright, light lavender; Leslie Imber, a pleasing shade of blue; Winifred Unwin, light blue, and Cyril Unwin, maroon shaded violet. Dobbie & Co., also received a gold medal for a meritorious display. Very striking were Dobbie's Scarlet; Decorator, old rose with a shade of terra cotta; Brunetta, deep mahogany; Lady Miller, apricot on cream suffused with pink, and Marks Tey, a handsome bicolor. The Burpee cup was won by W. E. Alsen, of Denmead, Hants. A dinner was given to the judges and committee, this being attended by visitors from Australia, New Zealand, South Africa, and the United States.

W. H. ADSETT.

JAPANESE GARDEN ARCHITECTURE.

The Elm City Nurseries at New Haven, Conn., have arranged a collection of Japanese dwarf trees and shrubs, old stone lanterns, etc., in a



model Japanese garden, which is a great attraction for visitors. Our illustration shows a view in this garden, which is probably as fine as anything of its kind in the United States.

INSECTS IN RELATION TO THE DYING OF THE CHESTNUT TREES.

The importance of having the best information that can be secured on the subject of insects in their relation to the chestnut led the Secretary of Agriculture to project an extensive investigation through the Branch of Forest Insects of the Bureau of Entomology.

General investigations since 1893 have shown that more than 450 species of insects inhabit the chestnut. While all of these are not destructive, some are especially so. One, the so-called two-lined chestnut borer, is directly responsible for the death of more timber, perhaps, than all the others combined. This is a small, elongate beetle which flies in May and June and deposits eggs on the bark of living and dying chestnuts, oak, beech, and ironwood in the Southern, Middle, and Eastern states. The elongate, slender larvae mine in the inner bark and outer wood in such a manner as to girdle the trees. When they attain their full growth they transform to the adult stage in the outer wood, or bark, to emerge the following spring and repeat the process. Investigations have shown that it can be controlled by disposing of the infested trees in such a manner as to destroy the bark on the main trunks during the fall and winter months.

The extensive dying of the chestnut in the Southern states during the last century, where the chestnut blight disease was not known to occur, together with extensive investigations in this region, indicate that there are a number of agencies of destruction which must be investigated before the problem of protecting the chestnut can be solved.

In some sections of the South where more than fifty years ago the chestnut trees were abundant, very few are present to-day. Observations by Dr. A. D. Hopkins, in charge of Forest insect Investigations, during the past twenty years in the Appalachians show a widespread death of both chestnut and chinquapin during the period.

Holliston, Mass.—The Eastern Nurseries are to build, in addition to the greenhouses reported in the last issue of HORTICULTURE, a packing shed 21½ x 65, a fumigating house 12 x 18, and an office 24 x 30, 1½ stories. A new water supply system is to be installed also.

BILL and VAN

(With their aides and abettors)

Have just returned from Chicago with "THE RECORD" for largest total of orders ever taken at any convention of the S. A. F., and the "Craig Quality" has been represented at each one of these annual events for the past 25 years and over. Showing that

The CRAIG "MONEY BRINGERS"

are, as ever, at the front, and are still unsurpassed in popularity, and are indispensable to every up-to-date florist.

Get in Line for the Fall Trade

Here are a few samples of the Craig Quality which we offer for immediate delivery.

CROTONS — Highly colored, largest and most complete collection in the world. 4-inch, \$30.00 per 100. 5-inch, \$6, \$9 and \$12 per dozen. 6-inch, \$12, \$15, \$18 and \$24 per dozen. Specimens, \$3 to \$10 each.

THE REGAL RUBBER PLANT — The big foliated, majestic, Ficus Pandurata, the greatest foliage plant of our day. Stock offered, finer than ever this year. \$1.50, \$2, \$2.50, \$3, \$4, \$5, \$6 and \$7.50 each.

DRACAENAS — All the latest winners: — Massangeana, De Smetiana, Bronze Beauty, Mandaiana, Godseffiana; as well as the old standards: Frangans and Indivisa. For the new ones, 75c, \$1, \$1.50, \$2 and \$3. For the older varieties, 25c, 35c, 40c, 50c, 75c and \$1.00.

CYCLAMEN — The matchless Craig strain. The standard for over 20 years. 4-inch, 5-inch and 6-inch; \$25, \$50 and \$75 per 100. Buy now and grow on for Christmas. Also for immediate sales for parlor and conservatory.

HYDRANGAEA OTAKSA — Strong, well established plants, 6-inch, 7-inch, 8-inch and 9-inch pots; 35c, 50c, 75c and \$1.00 each.

GARDENIAS — The true Veitchii strain, extra heavy; 4-inch, \$20, 6-inch, \$50 and \$75 per 100.

Phoenix, Areca, Kentia, Genista, Pandanus, Nephrolepis: all in popular varieties and the best commercial sizes, at right prices.

LORRAINE BEGONIAS — The old stand-by as well as the newer forms—in quantity. 4 and 5-inch, \$35 and \$50 per 100.

ROBERT CRAIG CO.

**MERITORIOUS
NEW PLANTS**

Christmas and Easter Plants, Roses,
Palms, Ferns, Ficus and Crotons

Market and 49th Streets . . . PHILADELPHIA, PA.

BRANCH, NORWOOD, PA.

THE VICK CONSOLIDATION.

Final steps in the consolidation of James Vick's Sons, The Vick Seed Co., and the Vick & Hill Co., of Rochester, N. Y., were recently taken. This completes one of the most important movements of this character in the seed business in recent years. For the purpose of effecting the various transfers, the Vick & Dildine Co. was organized earlier in the year as a corporation under the laws of New York, with a capital stock of \$150,000. The officers of this company are: F. W. Vick, president; Dr. H. W. Allen, vice-president; Hon. H. F. Remington, secretary, and W. H. Dildine, treasurer and general manager.

It is expected that each of the subsidiary concerns will continue practically the same as heretofore, but their union will mean the elimination of much expense and will strengthen every department. All of the men actively connected with the business as reorganized have been occupying responsible positions in one concern or the other for many years and are familiar with the various phases of the seed, plant and bulb business.

The officers of the subsidiary concerns are as follows: James Vick's Sons: Chas. H. Vick, president; Hon. H. F. Remington, secretary, and W. H. Dildine, treasurer. Vick & Hill Co.: F. W. Vick, president; Albert F. Vick, vice-president, and W. H. Dildine, treasurer. Vick Seed Co.: Chas. H. Vick, president; Geo. Arnold, secretary, and W. H. Dildine, treasurer.

Chas. H. Vick is the only son of James Vick, the founder, now remaining in the business. He has been connected with the house all his life. Besides his connection with the business of the firm Mr. Vick gives a good deal of thought to the success of other horticultural interests. To him is largely due the credit for the splendid success of the Rochester flower shows. He was chairman of the general committee for the two previous shows and is acting in the same capacity for the coming one. This season he was urged to accept the position as super-



F. W. VICK
President Vick & Dildine Co.
President Vick & Hill Co.

intendent of the horticultural department of the New York State Fair at Syracuse. He has thrown into this work his characteristic energy, enthusiasm and artistic temperament with the result that he had secured the support of the various Park Boards of Rochester, Buffalo, New York and other cities and of several commercial horticultural interests. The display in 1912 promises to surpass anything hitherto.

Fred W. Vick, nephew of James Vick, has long been prominent in seed and plant interests. For many years he was in charge of the entire plant and bulb department of James Vick. Later, as president of the Vick & Hill Co., he established an independent business, closely affiliated with the house of James Vick's Sons. For a number of consecutive years he was president of the Rochester Florists' Association. He has been vice-president of the S. A. F. and O. H. As president of the Vick & Hill Co., he

will continue to have control of the plant and bulb interests of the affiliated concerns.

Albert F. Vick is a son of Fred W. Vick and has been connected with his father's business since he was a boy. Probably most of our readers who attended the National Convention at Rochester, will remember him, since he was chairman of the sports committee at that time. He is captain of the bowling team of the Rochester Florists' Association and is a very popular young man.

W. H. Dildine began his experience in the seed business as traveling salesman for Mandeville & King Co., in whose interest he traveled through most of the eastern states at different times during his vacations of his preparatory and college course. Immediately after graduating from the University of Rochester he went into the office of Mandeville & King Co. as superintendent of agents, which position he has held for ten years. Because of the close association of Mandeville & King Co. and James Vick's Sons, Mr. Dildine was placed in charge of one department after another of James Vick's Sons until at the present time he is business manager of the entire concern. It was through Mr. Dildine's efforts that the present consolidation was effected and the business financially strengthened. Mr. Dildine has the confidence of the business community in Rochester, and with his marked ability and energy his business associates predict for him a brilliant career.

Mr. Arnold has been for a number of years connected with the Vick interests, principally as farm superintendent. Mr. Arnold is a former student of Cornell University and a man of wide experience in scientific gardening and field work. Under his supervision the products of the Vick seed farms have rapidly grown in importance and to him is due a large part of the success the concern has attained in the development and culture of asters.

James Vick's Sons retain the retail store on Stone street, where they have



Geo. Arnold
Secretary Vick Seed Co.



W. H. DILDINE
Treasurer Vick & Dildine Co. and of Concerns.



CHAS. H. VICK
President James Vick's Sons.

TWO IMPORTANT NEW COMMERCIAL FERNS



Cyrtomium Rochfordianum

THE CRESTED HOLLY FERN

The Most Valuable Decorative Fern of Recent Introduction

A most important addition to our list of Ferns. Its foliage is of a rich, deep, glossy green color, the pinnae or leaflets besides being wavy or undulated are also deeply cut or toothed, giving the plant a graceful light appearance, which make it valuable not only as a dish Fern but decorative work and for apartment use.

2 1/4 inch pots, 75 cts. per dozen; \$5.00 per 100; \$40.00 per 1000. Also a limited lot of flats of about 200 plants each, at \$3.00 per flat.

Adiantum Farleyense Gloriosa

THE GLORY FERN or RUHM VON MORDRECHT

The Fern Which Will Revolutionize the Cut Frond Business.

For the grower of Ferns for cutting this new Maiden Hair will undoubtedly prove a most important addition; it closely resembles Adiantum Farleyense and will make a splendid substitute for that fancy variety and it can be produced at much less cost, as it will thrive under conditions in which Adiantum Farleyense could not exist.

At our Riverview Nursery we have given it a very fair trial for this purpose during the past winter. A block of these plants were planted on a bench in a house devoted to the ordinary Boston Fern and received the ordinary treatment and temperature given to the Nephrolepis, and under this treatment they developed not only fronds of great beauty on longer, stiffer stems than Farleyense produces, but also many more fronds than would be developed by that variety in the same length of time under the most favorable condition.

such as Cuneatum, Croweanum and Hybridum, can

Anyone who successfully grows the ordinary varieties of Adiantum grow it under precisely the same conditions given to these sorts.

We have a fine block of about 30,000 young plants coming on which will be ready to send out in September from 2 1/4-inch pots, and for which we are now booking orders at \$2.00 per doz.; \$15.00 per 100; \$140.00 per 1000.

FERNS IN FLATS

These flats contain about two hundred plants each, only one variety in a flat, and we cannot supply less than a full flat of any one of the following varieties:

ASPIDIUM TSUSSIMENSE
CYRTOMIUM FALCATUM
CYRTOMIUM FORTUNEI
POLYSTICHUM SETOSUM
PTERIS ADIANTOIDES

PTERIS ALBA LINEATA
PTERIS MAGNIFICA
PTERIS MAJUS OR OUVRARDI
PTERIS WIMSETTI MULTICEPS
PTERIS WILSONI

HENRY A. DREER, Inc., 714 CHESTNUT ST., PHILA., PA.

The above prices are intended for the trade only.

FERN SEEDLINGS

In the leading best varieties, ready now for potting. For assorted varieties, \$1.50 per flat; 10 flats at \$1.25 each; 50 flats at \$1.00 each. Plants packed out of flats for shipment, 110 clumps to a flat.

Kentia Belmoreana and Forsteriana, from 2 1/4 inch pots, \$6.00 per 100; from 3 inch pots, \$12.00 to \$15.00 per 100.

PHOENIX ROEBELENI.
From 3 1/4 inch pots, well rooted, ready for shifting, \$6.00 per dozen; \$40.00 per 100.

ASPARAGUS PLUMOSUS NANUS.
Transplanted Seedlings, well branched, from flats, \$1.50 per 100; also 2 1/4 inch pots, \$3.00 per 100.

All express orders. Cash with order, please.

B. SOLTAU FERNERY
199 Grant Ave., Jersey City, N. J.

BEST PALMS

All Varieties. All Sizes.
Send for Price List.

Joseph Heacock
Wyncote, Pa.

POINSETTIAS

June and July Delivery
We will have a fine lot ready early in July. Extra Strong 2 1/2-in. pot plants, \$5.50 per 100, \$50.00 per 1000. Strong 2 1/4-in. \$5.00 per 100, \$45.00 per 1000.

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352 N. Michigan Ave. CHICAGO

PALMS, FERNS AND

DECORATIVE PLANTS

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Rutland Road and E 45th St.
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JAPANESE LILIES
LILY OF THE VALLEY PIPS
PALMS, AZALEAS, &c
11 Warren Street, New York, N. Y.

Write for quotations

AUGUST RÖLKER & SONS

Import for the wholesale trade:

AZALEAS, PALMS, RHODODENDRONS,
BAYTREES, ROSES, LILACS, HOLLAND
AND JAPAN BULBS, LILY OF THE
VALLEY, ETC.

P. O. Box 752 or 31 Barclay St., NEW YORK.

ARAUCARIAS, PALMS, RUBBERS AND FERN BALLS

SEND FOR PRICES.

Godfrey Aschmann

Wholesale Grower and Importer
1012 W. Ontario St., PHILADELPHIA, PA.

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Contracts made for Seed Growing
and for price lists

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Our World's Choicest Nursery and Greenhouse
Products for Florists

**PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS
PLANTS, EVERGREENS, ROSES, RHODODENDRONS,
VINES AND CLIMBERS, AUTUMN BULBS
AND ROOTS, CONIFERS, PINES**

Florists are always welcome visitors to our Nurseries. We are only a few minutes from New York City; Carlton Hill Station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists

Rutherford, N. J.



W. B. WHITTIER & CO.,
SOUTH FRAMINGHAM . . MASS.
GROWERS OF HIGH GRADE NURSERY STOCK
LARGE ASSORTMENT
WRITE FOR PRICES BEFORE ORDERING ELSEWHERE

Strawberry Plants

POT GROWN. Extra Strong, any quantity, any variety. Order early and have your plants selected for July delivery.

Write for List and Reserve Your Order

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W. E. MAYNARD

Manager Sales Department
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HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and Descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Her-
baceous Plants.

P. OUWERKERK, 216 Jane St. Weehawken Heights
P. O. No. 1, Hoboken, N. J.

Nursery Stock

Fruit and Ornamental Trees, Shrubs,
Small Fruits, Clematis, Evergreens
and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

been located for twelve years. The offices and warehouses were recently removed to a more modern and convenient building at the corner of State and Platt streets, which is said to be one of the finest factory buildings between Boston and Chicago.

The increased demand for flower and vegetable seeds of the various kinds in the growing of which the Vick concerns have specialized, has made it necessary for them to secure more land for that purpose. The accom-

panying picture taken on the new place this spring shows a part of the farm force setting out aster plants. If only a fairly good harvest of aster seed is secured this fall from the fifty acres of plants now in the field, it ought to furnish seed to grow plants sufficient to set a border of asters on every state line in the United States, since it is estimated that it would grow a single row of asters over 35,000 miles long. The picture represents only a part of the field force. The



Setting Aster Plants on Vick Seed Farm.

THIS PRICE WILL FETCH YOU

5,000 YOUNG PALMS

2-inch Pots. FORSTERIANA,
BELMOREANA.

\$30.00 Per 1,000

Good, thrifty, young plants, in perfect condition. This price ought to sell them quick. Every plant guaranteed. Also:—

500 ft. 4-in. cast iron pipe, in good order. Will close out cheap. No reasonable offer refused. Also:—

A big Burnham sectional Boiler; been used two years; cost \$650; will sell for \$250. In perfect condition. No defects of any kind; has not been used anywhere near full capacity. Change of plans only reason for selling.

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PHILADELPHIA, PA.

WM. J. ZARTMANN, President
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FAIRFIELD LANDSCAPE & NURSERIES CO.

ENGINEERS, CONTRACTORS AND NURSERYMEN

Terminal Building

41st Street and Park Ave. New York
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General Landscape Construction, Road Building,
Drainage Systems, Water Supply, Planting.

SURPLUS SHRUBS

FOR FALL PLANTING.

Rose of Sharon, Deutzia-Pride of Rochester, Forsythia, Kerria Japonica, Spirea-Anthonny Waterer, Wigelias, 3 varieties.

CHAS. E. FRANKENBACH & SONS
Southampton, N. Y.

crops are looking well at this time and, weather conditions remaining favorable, another month will furnish a sight on these farms which any florist or seedsman will find worth while coming a good many miles to see.

GREAT EXHIBITION OF ROSES AT BOSKOOP, 1913.

In the month of July, 1913, a great Exhibition of Roses will be held at Boskoop by the well-known society, Bursary of Trees and Plants." This society can count on the support of nearly all the inhabitants of Boskoop, since the great Exhibition of flowers in 1911 had such an enormous success, although it had been brought about by only fifty participants. Mr. Y. H. van Nes, then president of the exhibition will now, supported by the best forces of the village, accept the presidency, which guarantees a success.

To give an idea of what the exhibition will comprise we mention that of roses in pots alone already more than 30,000 pots have been promised. The schedule of prizes lists nearly 400 classes. A. van Kleef, Boskoop, Holland, is secretary.

Boddington's "Quality" Christmas-Flowering

SWEET PEAS

WE ARE SUPER-HEADQUARTERS

All true stocks of Winter-flowering Sweet Peas will be scarce this season. Some varieties are a total failure owing to the exceptional season in California this Spring. Our advice to intending planters is to order at once. Mr. Wm. Sim, Cliftondale, Mass., the great Winter Sweet Pea Specialist, sows our seed almost exclusively.

Our stock of Christmas-flowering Sweet Peas have stood the test for years, and we can refer you to the largest growers of this increasingly popular flower, as to the trueness and quality of our seed, earliest of blooming period and strength and habit of plants.

The following varieties are the "best by test" and include Zvolanek's and our own introductions, grown for seed from selected stocks by the leading California grower and specialist in Sweet Peas.

Our output last year was nearly 3000 lbs. Few kicks and plenty of testimonials as to quality, germination and trueness to type.

FILL OUT COUPON BELOW AND RETURN

We can make immediate delivery on all the following varieties.

Quantity	
.....	BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOW BIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year; name on application. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.
.....	BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50.
.....	BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50.
.....	ANGELINO. Self pink; new variety. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$4.50.
.....	CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz., 35 cts.; ¼ lb., \$1.00; ½ lb., \$1.75; lb., \$3.00.
.....	CHRISTMAS METEOR. Scarlet; fine open red flower. Oz., 35 cts.; ¼ lb., \$1.00; ½ lb., \$1.50; lb., \$2.50.
.....	CHRISTMAS STELLA MORSE. Creamy buff standard, wings slightly tinged with pink. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$4.50.
.....	FLAMINGO. Color scarlet; free-flowering and early. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.00.
.....	FLORENCE DENZER. Pure white. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.
.....	LE MARQUIS. This is the same color as Princess of Wales, violet; has very large flowers. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.
.....	MRS. ALEX. WALLACE. Lavender; very scarce. Oz., 35 cts.; ¼ lb., \$1.00; ½ lb., \$1.50; lb., \$2.50.
.....	MRS. F. J. DELANSKY. Daybreak pink. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.25; lb., \$4.00.
.....	MRS. GEO. LEWIS. Large, pure white, wavy flower. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50.
.....	MRS. E. WILD. Carmine or dark pink. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50.
.....	MRS. HANNAN. Deep rose-pink; very pleasing shade. Oz., 40 cts.; ¼ lb., \$1.25; ½ lb., \$2.00; lb., \$3.50.
.....	MRS. W. W. SMALLEY. Satiny pink. Oz., 35 cts.; ¼ lb., \$1.00; ½ lb., \$1.75; lb., \$3.00.
.....	MRS. WILLIAM SIM. Salmon-pink. Oz., 30 cts.; ¼ lb., \$1.00; ½ lb., \$1.50; lb., \$2.50.
.....	MRS. ZVOLANER. Blue, variegated. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.00.
.....	MISS HELEN M. GOULD. White, open flower; standard lilac, marbled. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.
.....	MISS JOSEY REILLY. Lilac; very large flowers. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.
.....	WATCHUNG. Pure white. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.
.....	WM. J. STEWART. Blue self. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

All other varieties of Winter and Summer-flowering Sweet Peas supplied. Write for quotations.

5% MAY BE DEDUCTED IF CASH ACCOMPANIES THE ORDER.

Name.....

Address.....

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th Street, New York City



WAKE UP TO THE FACT THAT EASTER COMES EARLY

ST. DAVID'S ISLAND LILIES

5 to 7 Strong, Heavy Bulbs, 400 to Case . . . \$14.75
7 to 9 Strong, Heavy Bulbs, Scarce, 200 to Case . . . 17.50

LILIUM CANDIDUM

Extra Large Forcing Bulbs, 100, \$5.00

WHITE ROMANS

	100	1000
11 to 12 Ctms., Strong Bulbs	\$2.25	\$21.00
12 to 15 Ctms., Heavy Bulbs	2.75	25.00
13 to 15 Ctms., Extra Heavy Bulbs	3.25	30.00

WILLIAM ELLIOTT & SONS
42 VESEY STREET, NEW YORK

PERSONAL.

W. J. Smart, of A. T. Boddington's, New York, goes on a two weeks' vacation this week.

Phil Kessler, the hustling New York wholesale florist, is taking his vacation in the Adirondacks.

Ernest Ludwig has given up his position as foreman at the Burbank Seed Farms, Elmhurst, Calif.

Mr. Reidel, of Badgley, Reidel & Meyer, New York City, is on an extended vacation tour. He intends to visit some of our Canadian friends.

H. E. Bates, long identified with the King Construction Co., and Victor Morgan, who has been on the road for Bobbink & Atkins for many years, have accepted positions with the Lord & Burnham Company in New York.

Ernest Townsend, formerly gardener at the Henry C. Pierce estate at Pride's Crossing, Mass., is now gardener for Mrs. Lathrop Brown, West Manchester. He succeeds Wm. Swan, who is now superintendent for Mrs. Levi Z. Leiter, Beverly Farms.

George H. Penson of Somerville, N. J., well known to the readers of HORTICULTURE through his instructive contributions on Fruit and Vegetables Under Glass, sailed for England on the Lusitania, August 28. He is booked to return on the Carmania from Liverpool on September 21, bringing with him a fair English flower which he will introduce to America under a new name. Another case of "renaming!" We wish them long life and happiness.

Boston visitors: David Rust, Phila.; Wm. Anderson, South Lancaster, Mass.; George McClure, Jr., Buffalo; A. E. Thatcher, Bar Harbor, Me.

PTERIS PARKERII.



This is a new fern, vigorous habit and with bright olive green fronds. It is a sport from the well-known Pteris cretica major, but is greatly superior to that variety in every way.

PHILADELPHIA NOTES.

The returned prodigals from the Chicago convention have nothing but good words about their reception at the hands of the brethren in the great western metropolis. There are many comical incidents being related but nothing reflecting on the good will and hospitality of their hosts. The latch string seems to have been out everywhere judging from the private firms and individuals who threw everything to the winds and devoted their resources unreservedly to giving every visitor they could reach "a good time."

Among those who are most loud in their praises is our "commodore," John Westcott. He had a splendid time and was much pleased that his good friend, John Farquhar, got the presidency.

Another distinguished delegate who has a good word to say is the president of our Florists' Club, J. Otto Thilow, who said that one of the most delightful experiences of his trip was his meeting with Will Currie of Milwaukee. To say that he, Currie, was a most charming man seems limber and Frenchified. To say he was a friendly and jolly spirit unexpectedly met in the desert with manna and honey and the water of Moses when he struck the rock, in his hands, comes a little nearer to it; but the real effulgence that emanates from this unique Scot is really impossible of description. No man can describe or account for the magnetism; but we all feel it. What the writer thinks about Currie was well put by Andrew Carnegie once: "He's a pawky chiel" and no one but a Scot will ever be able to sense that expression.

When "Young Fred" Michell started to tell us about it all the adjectives came so thick and fast we had to guess at them. But one thing seemed clear: events so crowded themselves on him that it will take at least six months to get a consecutive narrative. An interviewer has rights. He can't make a story out of a perpetual chuckle.

B. Eschner, of M. Rice & Co., was all wreathed in smiles when yours truly called on him this week, still busy taking care of the largest business ever transacted by this house at a convention. Mr. E. has been the recipient of numerous congratulations on the splendid exhibit of florists' supplies and ribbons at Chicago.

"They may all talk as they please," said Duncan Macaw of Craig's, after his return from Chicago, "but certainly nothing in sight could touch us in cyclamen, Lorraine begonias, or any of our specialties. Orders came thick and fast and many went away that we could not wait on." But the mails are still open, the Craig Quality is still unimpaired and the Honorable Robert wears that same smile of welcome and can show the goods to all callers.

The horticultural trade of America owes far more than is at present appreciated to W. Atlee Burpee and his colleagues in their struggle for fair play with the postal authorities at Washington the past three months. The good news that they have won out and that there is to be no change in the eight cents per pound rate we have so long enjoyed, is most glorious, welcome and glad some. There is not the slightest doubt that if it had not been for the magnificent fight put up by

Burpee and his committee Congress would have—unwittingly perhaps, but none the less surely—done irreparable injury to the mightiest agency for the uplift and advancement of the country, the horticultural bodies, who are far more than mere business interests, who are, moreover, the pioneers of the aim we all have at heart—to make the wilderness blossom as the rose. To put a brake on that proposition would forever condemn Uncle Sam as a hopeless reactionary.

And while we think of it, let us not forget that other wonderful personality who first got us the eight cent rate—as against other merchandise at sixteen cents, many years ago. Under the magnetism of a committee of the S. A. F., headed by Patrick O'Mara of Peter Henderson & Co., of New York City, that great boon of eight cents a pound was granted and no man can tell the wonderful things that the concession has produced in these succeeding years.

We hail Burpee; we hail O'Mara; and we hail the S. A. F. who were behind Patrick O'Mara, and are now behind Burpee.

John Duncan, now of Spokane, Wash., informs us that the climate out there has been a revelation to him. Hot as here during the day but two blankets at night. Lots of timber land yet—Pinus ponderosa, Abies Douglasi, and such. The fruit growers, the wheat growers, and in fact all along the line of farming—no better anywhere. Sweet peas—stems two feet long and six and seven flowers. Mr. Duncan thinks the eagle eyes of Burpee and the rest of our great seedsmen are on the blink as yet about this latitude and Northern Idaho.

A. Zirkman of M. Rice & Co., is in town this week after a long successful trip to the coast and having just finished a strenuous week at the Chicago Convention.

Visitors: John A. Beck, Milton Pa.; Robt. L. Smith and S. G. Barnes of the Flower Shop, Pittsfield, Mass.; H. L. Holmes, Harrisburg, Pa.; Sidney Hoffman, Boston, Mass.

PROVIDENCE NOTES.

Theodore R. Peterson of Benefit St., has gone to Morristown, N. J. for his vacation.

William Cohen with William Hoffman, has returned from a two weeks' vacation at Newport.

Samuel Reswick, a clerk in the store of Joseph Kopelman, is back from a vacation at Cape Cod.

Charles Johnston, who has been ill for a long time, is reported this week as being slightly better.

N. D. Pierce, of Norwood, who submitted to an operation at a private hospital in this city on August 23, is reported as resting comfortably.

Joseph Kopelman has made extensive repairs at his store on Washington street. The arrangement of the furnishings has been changed so that the store makes a much better appearance and gives additional room.

Robert Johnston, Prof. H. J. Wheeler and Eugene McCarron, the special committee in charge of meetings, have something interesting for the next meeting of the Florists' and Gardeners Club on September 16.

Horseshoe Brand Lily Bulbs

The crops of all early forcing lily bulbs of good quality are very short this year, owing to a lack of rain at the proper time. At such times many bulbs of inferior quality find a ready sale in the market. Those who want good lily bulbs should therefore not delay a day in placing their orders. The following are the revised prices for Horseshoe Brand bulbs, the best produced in the World. Immediate delivery.

LILIUM FORMOSUM.

Excellent stock—extra in size and quality.

Size	6/8 in.	\$20.00 per case of 400 bulbs.
"	7/9 in.	22.50 per case of 300 bulbs.
"	8/10 in.	22.50 per case of 250 bulbs.
"	9/10 in.	22.00 per case of 200 bulbs.
"	9/11 in.	19.80 per case of 180 bulbs.
"	10/11 in.	18.00 per case of 150 bulbs.
"	11/13 in.	18.00 per case of 120 bulbs.

We advise early orders—very limited stock.

LILIUM GIGANTEUM—(to arrive soon).

Size	6/8 in.	\$16.00 per case of 400 bulbs.
"	7/8 in.	16.00 per case of 350 bulbs.
"	7/9 in.	16.00 per case of 300 bulbs.
"	8/10 in.	22.50 per case of 250 bulbs.
"	9/10 in.	22.00 per case of 200 bulbs.
"	9/11 in.	21.60 per case of 180 bulbs.
"	10/11 in.	22.50 per case of 150 bulbs.
"	11/13 in.	24.00 per case of 120 bulbs.

The above Giganteum are from the finest fields in Japan. Prices on Auratum, Rubrum, Magnificum, Album, etc., etc., upon application.

FRENCH BULBS.

From the celebrated fields of Martial Bremond, world's largest grower of French Bulbs.

WRITE FOR PRICES

on Paper White Grandiflora, French Trumpet Majors and Freesias, if interested.

Prices are F. O. B. New York City, duty paid, terms three months or 2 per cent. ten days. A special discount of 5 per cent. will be granted only when cash accompanies the order.

Write for the Book of Bulbology.



Ralph M. Ward & Co.

71 Murray Street

NEW YORK CITY

Not How Cheap
But How Good

John I. Lindblom, familiarly known to the trade as "Long John," for the past six years foreman of the houses of Miss Florence A. Willard on Massachusetts avenue, left this week for Portland, Ore., to accept a position there. He will be succeeded by Louis Wells who has been assistant foreman at the Willard range for some time. Miss Willard's specialty is ferns and orchids. Both men are experts in this branch of the trade.

Boston, Mass.—A new plan to increase the usefulness of the parks to the people has been put in operation by Superintendent Shea. Auto phaetons have been provided in which for the sum of ten cents a six or seven-mile ride through Franklin Park and adjoining reservations may be enjoyed and many parts hitherto almost inaccessible except with carriages are thus brought within reach of the general public.

Henry Eckford's £1000 sweet pea competition took place at Wem, Eng., on the 18th of July. In the five classes the money was awarded in the following manner: Three first prizes of £200 each, two of £100 each and 200 consolation prizes of £1 each. The competition was very keen, the entries numbering close on 3,000.

HEADQUARTERS FOR LIL. HARRISII**NARCISSUS****LIL. FORMOSUM**

(Paper White Grand.)

**Send for Our Wholesale
Price List****ROMAN HYACINTHS****FREESIAS**

And all other Seasonable Bulbs for Florists

HENRY F. MICHELL CO., 518 Market St., PHILADELPHIA**Seed Trade**

Bartow, Fla.—R. M. Oglesby has purchased the seed business of E. E. Conant.

William F. Nichol is no longer connected with the St. Louis Seed Co., having sold his interest. He was president of the company.

Quincy, Ill.—The Eber Seed Co. has been incorporated here with a capital stock of \$15,000. Incorporators, Suzanne, Wm. H., and Eugene Weber.

Waterloo, Iowa—Ground has been broken for a \$10,000 to \$15,000 seed house for Galloway Bros. The property on which it will be constructed has been recently purchased.

Champaign, Ill.—The Champaign Seed Co. has been incorporated with a capital stock of \$10,000. The incorporators are George B. Ransom, May B. Ransom and Bart C. Heuness.

Beatrice, Neb.—The German Nursery & Seed House has been incorporated with a capital stock of \$100,000. Incorporators, Carl Sondregger and his sons, Charles, Ernest and Arthur.

Seedsmen are pleased with one clause, at least, of the modified Bourne bill passed by Congress, it expressly stating that "this act shall not affect the postage rate on seeds, cuttings, bulbs, roots, scions, and plants as fixed by section 482 of the Postal Laws and Regulations."

CATALOGUES RECEIVED.

W. S. Pino, Providence, R. I.—Fall Catalogue, 1912.

E. Y. Teas & Son, Centerville, Ind.—Wholesale Price List of Nursery stock.

Basil Perry, Cool Spring, Del.—Price List of Strawberry Plants. Fruit Trees, etc.

M. Herb, Naples, Italy—General Catalogue of Bulbs and of Seeds for Autumn Sowing.

I. L. Pillsbury, Galesburg, Ill.—Folder with Testimonials for Pillsbury's Carnation Staple, for mending split carnations.

Wood Bros., Fishkill, N. Y.—Trade List for 1912. A fine assortment of standard plants for florists' use.

S. Jacobs & Sons, Brooklyn, N. Y.—Catalogue of Materials for erecting, heating and ventilating greenhouses. Profusely illustrated.

C. Kerkwoode, Wetteren, Belgium—Special Trade List of Nursery Stock. Aug. Roelker & Sons, New York City, are sole American agents.

Eastern Nurseries, Jamaica Plain, Mass.—Early Autumn List, 1912. This is a wholesale price list of evergreens for August and September planting and embraces a very desirable selection.

Jacs. Smits & Co., Naarden, Holland—Wholesale Catalogue of Nursery Stock, American Edition, season 1912-1913. Accompanying this handsome publication is an elaborate private nursery code.

Peter Henderson & Co., New York—

Autumn Catalogue for 1912. Tulips and peonies in natural colors on gold form a glowing cover scheme for this up-to-date and profusely illustrated publication.

R. Vincent, Jr. & Sons Co., White Marsh, Md.—Descriptive and Illustrated Geranium Catalogue. This is a beautiful publication, containing many full page plates, two of which are in colors, showing grouping of geraniums, etc., in formal planting. The list is strictly up to date as to desirable novelties.

INCORPORATED.

Kalamazoo, Mich.—Prudential Nursery Co., capital stock \$20,000.

Birmingham, Ala.—Birmingham Nurseries Co., capital stock \$2,000. W. H. Kessler, president; H. C. Wood, secretary; S. L. Yerkes, treasurer.

Not from Winstead but from Atchison comes this story. A Kansas man planted lettuce, but as fast as it came up through the ground the English sparrows ate it off. He finally got a few small flags and stuck them in the lettuce bed and not an English sparrow or other foreign bird touched that lettuce so long as Old Glory floated over it.—Boston Transcript.

CHILDREN'S EXHIBITION AT BOSTON.

It will be children's day at Horticultural Hall, Boston, Saturday, Aug. 31, when the annual exhibition of the products of children's gardens will be held. Liberal prizes are offered for plants, flowers and vegetables grown in school gardens and in home gardens, and also for native flowers, berries, leaves and grasses. The competition is open to all school gardens and to all children in Massachusetts, under the age of 18 years. In compliance with a recent act of the Legislature the sum of \$200 is offered at this exhibition to be distributed in premiums for the encouragement of agriculture among the children of the state.

The Massachusetts Horticultural Society is a pioneer in the work of interesting the children in gardening and for 34 years has carried on in some form an annual exhibition for the purpose of stimulating and encouraging this interest.

The exhibition is free and will be open Saturday from 12 M. to 6 P. M. and Sunday from 2 to 6 P. M.

**"THE KENILWORTH STRAIN" of
GIANT PANSY SEED**

Must not be compared with the flimsy Trimardeau

It is much larger and of good substance; the immense flowers, of 3½ to 4 inches, are of perfect form, and every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. The Stock Plants are most critically selected. It is rich with shades of brown, bronze, red, mahogany, and many others too numerous to mention. Light, Medium or Dark Mixtures. Read what Growers say about my strains of Pansy Seed in HORTICULTURE of July 20.

1912 SEEDS NOW READY

PANSIES IN SEPARATE COLORS.

Per 1000 Seeds
Giant Adonis, beautiful light blue...25c
Giant Emperor William, ultramarine blue...25c
Giant King of the Blacks, coal black...25c
Giant Lord Beaconsfield, violet, shading to white...25c
Giant Golden Queen, yellow...25c
Giant Golden Yellow with dark center...25c
Giant Masterpiece, beautifully ruffled, with a wide range of color...25c
Giant White, very fine...25c
Giant White with large violet center...25c
Giant Red, a fine mixture of red shades...25c
Giant Royal Purple, fine large flower...25c
Giant Orchid-flowering, rare shades...25c
Giant Bronze and Copper Shades...25c
Giant Light Blue, delicate shades of blue...25c
Giant Dark Blue, deep blue shades...25c
Giant Zebra Mixed Shades, striped...25c

2000 seeds, 50c.; 5000 seeds, \$1.00;
 ¼ ounce, \$1.25; ounce, \$5.00.

Preceding 16 Sorts Mixed, in equal proportions, per 1000 seeds, 25c.; any 5 pkts., \$1.00; any 11 pkts., \$2.00.

The Rainbow blend is grown from the latest introductions of giant pansies of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send 1000 of Rainbow free, and with other amounts in like proportion.

Chas. Frost
 Kenilworth,
 N. J.

Oats
Barley
Wheat

Swedish Specialties

Grown Under Government Control by the
The General Swedish Seed Co.
 SVALOEF, SWEDEN

Descriptive pamphlet, prices and samples on application
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Asparagus Plumosus Nanus
NEW CROP NOW READY.

Per 1000 seeds, \$1.50; 5000 and up @
\$1.25 per 1000.

NEW CROP BERGLINDEN STRAIN
CYCLAMEN GIGANTEUM SEED
JUST RECEIVED

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New Crop English and American Bricks
WRITE FOR PRICES

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BEST STOCKS. ALL VARIETIES.

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RICKARDS BROS.

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POINSETTIA 2 1-2 in. strong, \$5 per 100 ;
\$45 per 1000
CYCLAMEN SEED the celebrated English
strain, \$9 per 1000
PANSY SEED, home-grown, finest giant
strain. \$5 per oz.
Send for Catalogue.

S. S. SKIDELSKY & CO.
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Stocks, Asters, Chinese Primulas, &c.
THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.



...THE...
J. C. Robinson Seed Co.

Waterloo, Neb.
Rocky Ford, Colo.

Contract growers of Cucumber, Can-
talupe, Watermelon, Squash and
Pumpkin Seed; Sugar, Flint and
Field Seed Corns.

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SWEET PEA SEED**

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"Renowned Sweet Pea Specialists"
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WHOLESALE FIELD AND GARDEN SEEDS

Established 1818
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PRINTING Fruitmen, Horticultur-
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should get their print-
ing done by specialists. Write for prices
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Write for Prices

Vick Quality Bulbs

Early Kinds Now Ready for Shipment

EARLY ROMAN HYACINTHS,
\$2.25 per C.; \$21.00 per M.

NARCISSUS, PAPER WHITE.
\$1.00 per C.; \$8.75 per M.

CANDIDUM LILIES, Choice Bulbs,
\$4.50 per C.; \$38.00 per M.

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White Callas

Monster size bulbs, 2½ in. and up
\$1.50 per dozen, \$15.00 per 100.

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WILLIAM L. ROCK FLOWER CO.

Kansas City, Mo.
will carefully execute orders for Kansas City and any town in Missouri or Kansas.

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HOLM & OLSON, Incorporated
ST. PAUL, MINN.

Of Interest to Retail Florists

Port Jervis, N. Y.—The florist business of John Brierly, 15 High street, has been sold to Frank J. Weiss.

New York, N. Y.—Gottlieb Myer, florist, Madison avenue and 58th streets, will conduct a branch store in the Plaza Hotel.

New York, N. Y.—W. H. Brower & Sons retire from business on August 31st. This is one of the oldest established retail flower houses in New York.

STEAMER DEPARTURES

Allan.

Parisian, Boston-Glasgow....Sept. 13

American.

Philadelphia, N. Y.-Shmptn....Sept. 7
New York, N. Y.-Shmptn....Sept. 14

Atlantic Transport.

Minnewaska, N. Y.-London....Sept. 7
Minneapolis, N. Y.-London....Sept. 14

Cunard.

Franconia, Boston-Liverpool.Sept. 3
Campania, N. Y.-Liverpool....Sept. 4
Carpathia, N. Y.-Medit'n....Sept. 5

Hamburg-American.

Cleveland, N. Y.-Hamburg....Sept. 5
Patricia, N. Y.-Hamburg....Sept. 7
Victoria Luise, N. Y.-Hamburg.Sept. 12

Holland-America.

Noordam, N. Y.-Rotterdam....Sept. 3
Ryndam, N. Y.-Rotterdam....Sept. 10

Leyland.

Bohemian, Boston-Liverpool.Sept. 7
Devonian, Boston-Liverpool....Sept. 14

North German Lloyd.

K. W. der Grosse, N. Y.-Br'n.Sept. 3
Geo. Washington, N. Y.-Br'n.Sept. 5
Kronp. Cecille, N. Y.-Bremen.Sept. 10

Red Star.

Lapland, N. Y.-Antwerp....Sept. 7
Kronland, N. Y.-Antwerp....Sept. 14

White Star.

Cedric, N. Y.-Liverpool....Sept. 5
Olympic, N. Y.-Shampton....Sept. 7
Cymric, Boston-Liverpool....Sept. 10
Cretic, Boston-Mediterranean.Sept. 14

NEWS NOTES.

Northampton, Mass.—Edwin C. Armbrust.

Milwaukee, Wis.—Fitch Bros., 575 National avenue.

Berkeley, Cal.—W. H. Wolters, 1986 Shattuck avenue, branch store.

Buffalo, N. Y.—Frank Ulitowsky, branch store, to be known as the Convention Hall Florist.

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Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosary, 76 Malden Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.

Boston—Penn, the Florist, 37-43 Bromfield St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Phillip L. Carbone, 342 Boylston St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Indianapolis, Ind.—Florists' Telegraph Deliveries, 241 Massachusetts Ave.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave

Newport, R. I.—Gibson Bros., 36 Washington Sq.

New York—George M. Stumpp, 761 Fifth Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

Providence, R. I.—T. J. Johnston & Co., 171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main St., West.

Rochester, N. Y.—J. B. Keller & Sons, 25 Clinton Ave., N.

St. Paul—Holm & Olson, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F. St.

Wellesley, Mass.—Tailby.

Worcester, Mass.—H. F. A. Lange.

BOSTON, MASS.

Penn the Florist

"Penn, The Telegraph Florist"
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GUDE'S

Member Florists' Telegraph Delivery.

Chicago.

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25 E. MADISON ST.

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CLEVELAND

Euclid Avenue

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - - TORONTO, ONT

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockledge Schools. **TAILBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 618

BEAUTIES

\$1.00-\$3.00 per Doz.

Better Beauties than you will generally find during the summer months. A large supply of the medium sizes selling from 6 to 12 cts.

The Leo Niessen Co.

WHOLESALE FLORISTS
N. W. Corner
12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

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CUT FLOWERS

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Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

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WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application

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Cut Flowers All the Year Round

33-35-37 RANDOLPH STREET,
Greenhouses, Morton Grove, Ill.

CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON August 30	CHICAGO August 27	ST. LOUIS August 27	PHILA August 27
ROSES				
Am. Beauty, Fancy and Special....	15.00 to 25.00	20.00 to 25.00	15.00 to 25.00	15.00 to 25.00
" " Extra.....	10.00 to 15.00	15.00 to 20.00	..... to 10.00	10.00 to 12.50
" " No. 1.....	6.00 to 8.00	10.00 to 15.00	..... to 8.00	6.00 to 8.00
" " Lower Grades.....	1.00 to 4.00	3.00 to 6.00	3.00 to 4.00	3.00 to 5.00
Killarney, Richmond.....	.50 to 5.00	3.00 to 6.00	..... to 5.00	1.00 to 6.00
My Maryland, Kaiserin, Carnot....	.50 to 6.00	2.00 to 8.00	..... to	1.00 to 8.00
Bride, Maid.....	.50 to 4.00	6.00 to 8.00	3.00 to 4.00	..... to
Taft, Hillingdon, Ward.....	.50 to 5.00	4.00 to 5.00	..... to	1.00 to 10.00
CARNATIONS				
.....	.50 to 1.50	1.50 to 2.00	1.00 to 1.50	1.00 to 2.00
MISCELLANEOUS				
Cattleyas.....	50.00 to 75.00	25.00 to 50.00	40.00 to 50.00	50.00 to 75.00
Lilies, Longiflorum.....	4.00 to 6.00	5.00 to 6.00	6.00 to 8.00	6.00 to 10.00
" Speciosum.....	..... to 3.00	..... to .....	..... to .....	..... to
Lily of the Valley.....	2.00 to 3.00	2.00 to 4.00	3.00 to 4.00	1.00 to 4.00
Gladioli.....	1.00 to 2.00	2.00 to 3.00	1.50 to 5.00	1.00 to 4.00
Asters.....	.15 to 1.00	1.00 to 2.00	1.00 to 3.00	.50 to 3.00
Daisies.....	..... to .50	.25 to .50	.15 to .35	..... to
Sweet Peas.....	.15 to .50	.30 to .50	.15 to .25	.40 to .75
Gardenias.....	..... to 25.00	..... to .....	..... to	2.00 to 8.00
Adiantum.....	..... to 1.00	.75 to 1.00	1.00 to 1.25	.75 to 1.00
Smilax.....	8.00 to 12.00	15.00 to 20.00	12.00 to 15.00	15.00 to 20.00
Asparagus Plumosus, Strings (100)	..... to 50.00	40.00 to 60.00	35.00 to 50.00	35.00 to 50.00
" " & Spreng. (100 Bchs.)	25.00 to 50.00	25.00 to 50.00	15.00 to 25.00	35.00 to 50.00

J. A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

CHICAGO CARNATION COMPANY

A. T. PYFER, Manager

30 East Randolph Street,

CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, CHICAGO

Flower Market Reports

BOSTON Business has fallen off badly this week. Regular orders for seashore resorts are being reduced or discontinued earlier than has been the case heretofore, and there are evidences that the special summer trade is approaching the end. Asters are plentiful and good—much too good for the very meagre price realized by even the best of them. American Beauty roses are plentiful and selling as well as at the same date in any former year. Other roses run small as a general thing, but there are some very nice lots occasionally. Sales are rather sluggish. As to gladioli, there are plenty of them and they are of nice quality; but nobody seems to want them. There are no good sweet peas in the market and they are about through for this season.

There is very little to **BUFFALO** report. Growers are busy replanting carnations and there are not many cut blooms seen at present. Asters of good quality are not overplentiful but another week should see them both in quality and quantity. Too many gladioli and sales have not been flourishing. Roses are coming in more plentifully each day. Lilies and other stock in good supply.

Business is very dull **CHICAGO** and August closes with many more flowers than can be disposed of to advantage, and stock has piled up. The opening of schools next week will bring the people back to the city and a stir in trade is looked for. The one flower most in evidence and perhaps least sought for is the gladiolus. Counters are full of stock, which will be moved only to the barrels, and to be entirely just one can but say that there is where it belongs. If only good varieties were bought that can lay claim to beauty, money could be made in growing this flower, but the price is kept down and demand ruined by poor off-colored stock. New American Beauties are now to be had in extra as well as in short lengths. The summer roses, Melody, Ward, Sunburst, My Maryland and Kaiserin are all in crop and of excellent quality, Sunburst leading the demand. Asters are at their height and the better grades move rather slowly even at a low figure, while the poorer ones are worthless. Some very fair carnations from old plants are offered and the usual outdoor summer flowers are to be had. Chrysanthemums are already here, but there is no demand.

The usual summer dullness prevails. The situation is probably even worse now than it was early in July. No life to the market in any direction. We are probably in for this state of things for two or three weeks yet. There has been a vast improvement in the quality of the aster cut during the week and these are now something like what they should be. Gladioli are still plentiful and high grade. If anything can be called a best seller at present, the new crop American Beauty roses deserve

A MAGNIFICENT LOT OF FIELD GROWN CARNATION PLANTS



The Dorothy Gordon and Rose Pink Enchantress are exceptionally fine, strong plants. Our guarantee goes with every carnation plant we send out, thus insuring to you the very best of quality and satisfaction.

	100	1000
COMFORT	\$8.00	\$75.00
BEACON	8.00	70.00
HARLOWARDEN	6.00	50.00
WHITE ENCHANTRESS	8.00	75.00
WHITE PERFECTION	8.00	70.00
WHITE WONDER	9.00	85.00
ALMA WARD	8.00	70.00
GLORIOSA	9.00	85.00
MRS. C. W. WARD	8.00	75.00
WASHINGTON	10.00	90.00
ENCHANTRESS	7.50	60.00
ROSE PINK ENCHANTRESS	6.00	70.00
PRINCESS CHARMING	10.00	
DOROTHY GORDON	7.00	60.00
WINONA	7.50	60.00
BROOKLYN	12.00	100.00
QUEEN	5.00	40.00
BOSTON MARKET	5.00	40.00

NEW AND STANDARD ROSES Extra Large, Very Choice Stock

OWN ROOT, 3 inch:	100	1000	GRAFTED, 3 inch:	100	1000
White Killarney	\$8.00	\$70.00	White Killarney	15.00	120.00
Double Pink Killarney	8.00	70.00	Double White Killarney	20.00	150.00
Pink Killarney	8.00	70.00	Killarney Queen	20.00	150.00
Killarney Queen	12.00	100.00			
Double White Killarney	15.00	100.00			

RIBBONS AND SUPPLIES. Many new patterns in exclusive Ribbons. Write us for prices on these and on Supplies.

We will close at 5 P. M. until September 15

S. S. Pennock-Meehan Co.
THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA
1608-1620 Ludlow St.

NEW YORK
117 W. 28th St.

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI August 27		DETROIT August 27		BUFFALO August 27		PITTSBURGH August 27	
ROSES								
Am. Beauty, Fancy and Special	15.00	to 25.00	20.00	to 25.00	15.00	to 20.00	20.00	to 25.00
" Extra	10.00	to 15.00	15.00	to 20.00	10.00	to 15.00	12.50	to 15.00
" No. 1	6.00	to 10.00	12.00	to 15.00	6.00	to 10.00	6.00	to 8.00
" Lower Grades	3.00	to 6.00	4.00	to 10.00	2.00	to 4.00	2.00	to 3.00
Killarney, Richmond	2.00	to 6.00	3.00	to 6.00	.....	to .....	.....	to 8.00
My Maryland, Kaiserin, Carnot	2.00	to 6.00	3.00	to 6.00	.....	to .....	.....	to
Bride, Maid	2.00	to 4.00	3.00	to 6.00	2.00	to 6.00	.....	to
Taft, Hillington, Ward	2.00	to 6.00	3.00	to 6.00	3.00	to 4.00	3.00	to 8.00
CARNATIONS	1.00	to 1.50	1.00	to 2.50	1.00	to 2.00	.....	to 2.00
MISCELLANEOUS								
Cattleyas .....	.....	to .....	.....	to	40.00	to 50.00	50.00	to 60.00
Lilies, Longiflorum	6.00	to 8.00	10.00	to 15.00	7.00	to 10.00	.....	to 10.00
" Speciosum	2.00	to 4.00	.....	to	3.00	to 4.00	.....	to 4.00
Lily of the Valley .....	.....	to	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Gladioli	1.00	to 3.00	1.50	to 4.00	2.00	to 4.00	2.00	to 3.00
Asters .....	.50	to 2.00	1.00	to 2.00	.50	to 2.00	.50	to 3.00
Daisies .....	.....	to .....	.....	to .....	.....	to .....	.....	to
Sweet Peas .....	.....	to .....	.....	to .....	.25	to .50	.....	to
Gardenias .....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum .....	.....	to 1.00	1.00	to 1.50	.50	to 1.50	1.00	to 1.25
Smilax	10.00	to 12.00	.....	to 15.00	.....	to 15.00	.....	to 15.00
Asparagus Plumous, Strings (100)	40.00	to 50.00	15.00	to 25.00	40.00	to 50.00	30.00	to 50.00
" & Spreng (100)	25.00	to 35.00	15.00	to 25.00	25.00	to 50.00	15.00	to 35.00

the title. These are exceptionally plentiful and good, and all things considered, sell well. There has also been a marked improvement in Mrs. Aaron Ward, Mrs. Taft and Killarney, new crops of all of these having now commenced. While My Maryland is still good and is a great summer rose the buyers for some reason prefer Killarney as soon as it can be had good. Carnations remain about the same. Some of the growers who have taken special care of their old beds are still sending in some pretty good flowers.

Orchids very scarce. Some mornings it's a hard job to fill an order for even a dozen cattleyas at any price. Gardenias are of excellent quality with demand very sluggish and the price at the lowest notch it has reached this year. There are lots of hydrangea heads and other outdoor flowers to be seen around but there is little use sending these to town the way business is at present. Same may be said of dahlias. No sense in cutting many of these yet except on special orders.

(Continued on p. 1)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square.

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Wholesale Commission Florist,
Choice Cut Flowers,
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Telephones: 2200, 2201, Madison Square.

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All choice cut-flowers in season. Send for
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Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

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Wholesale Commission Florists
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Call and inspect the Post Establishment
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PUBLIC ACCOUNTANT AND AUDITOR
Simple methods of correct accounting—
especially adapted for florists' use.
BOOKS BALANCED AND ADJUSTED
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Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe,
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122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are leaders in
Decorative Glassware, Growers and
Florists' Requisites

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Wholesale Commission Florist **SELLING AGENT FOR**
A full line of Choice Cut Flower Stock for all purposes **LARGEST GROWERS**
by the 100, 1000 or 10,000 **The HOME OF THE LILY**
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CHOICE CUT FLOWERS
133 West 28th Street, New York
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MONTREAL FLORAL EXCHANGE, LTD.
ORGANIZED FOR THE BENEFIT OF THE CANADIAN TRADE.
CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION.
Home-grown Stock a Specialty. **STRICTLY WHOLESALE; NOTHING SOLD**
AT RETAIL.
Ample reference furnished as to standing and financial ability of the company.
123 MANSFIELD STREET, MONTREAL, P. Q.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Tel. 759 55 W. 28th St., New York
Mad. Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS		Last Half of Week ending Aug. 24 1912	First Half of Week beginning Aug. 26 1912
American Beauty, Fancy and Special	10.00 to 20.00	10.00 to 20.00	10.00 to 20.00
" " Extra	6.00 to 12.00	6.00 to 12.00	6.00 to 12.00
" " No. 1	4.00 to 6.00	4.00 to 5.00	4.00 to 5.00
" " Lower Grades	.50 to 3.00	.25 to 2.00	.25 to 2.00
Richmond, Chateaufort	.25 to 3.00	.25 to 3.00	.25 to 3.00
Killarney, My Maryland	.25 to 4.00	.25 to 3.00	.25 to 3.00
Bride, Maid	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Taft, Hillingdon, Ward	.25 to 4.00	.25 to 3.00	.25 to 3.00
Kaiserin, Carnot	1.00 to 4.00	1.00 to 4.00	1.00 to 4.00
Carnations	.50 to 1.00	.50 to 1.00	.50 to 1.00

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones {1664} Madison Square
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Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF
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CHARLES MILLANG
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Telephone 7062 Madison

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WOODROW & MARKETOS
WHOLESALE
Plantmen and Florists
41 West 28th Street, NEW YORK

Henry M. Robinson & Co.
Wholesale Florists
46 West 26th St., New York
Telephone, Madison Square 8510
Also 15 Province St., 9 Chapman Place
BOSTON, MASS.

Wired Toothpicks
Manufactured by
W. J. COWEE, Berlin, N. Y.
10,000...\$1.75, 50,000...\$7.50, Sample free
For sale by dealers

HARDY CUT FERNS
FANCY and DAGGER
Galax, Boxwood, Laurel
Roping, Wild Smilax, etc.
Hartford & McDonough
70 PEMBERTON SQ., BOSTON



WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

Flower Market Reports

(Continued from page 323)

There has been practically nothing doing on the market this week, except perhaps grumbling. The supply of all stocks has been enormous, for which there is no outlet. Heavy rains have been experienced around here during the last few days, which must affect the supply of outdoor stocks. We are having the finest of lilies. Asters continue good; dahlias, too, and American Beauties finer than have been seen for a long time. Taft, Hillingdon and Sunburst are improving in quality, and it is a pity one cannot write the same of the price.

Conditions have changed but little since last report. There is plenty of stock of extra good quality, and especially so in roses, the best novelties being Killarney, Richmond and Maryland. Gladioli and tuberose are coming in heavy with slow demand. Asters have been a great glut all during the month and the wholesaler will take any old price in order to dispose of them. Carnations are as yet small and short stemmed but fairly good flowers. Everything else plentiful and cheap.

Business here has been very quiet during the month of August and now that Congress has adjourned little can be expected until the coming cold weather. The funeral of Mr. Thomas C. Noyes of the Washington Star, president of the Board of Trade and owner of the local baseball team, called for the supply of an exceptionally large number of funeral designs. The bulk of this business went to J. H. Small & Sons and Gude Bros.

Providence, R. I.—The market remained quiet this week. There is a plentiful supply of everything including asters of excellent quality.

The seventeenth annual flower show of the Morris County Gardeners' and Florists' Society will be held this year on Oct. 31st and Nov. 1st, in Assembly Hall, Madison, N. J. The prospects for a big show were never brighter. We will miss from our tables the exhibits of Wm. Turner of Oceanic, who rarely failed to help us make up the show. Pure good fellowship was the spirit which moved him to be with us, and the same spirit we hope will bring him to at least break bread with us this year.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

		Last Half of Week ending Aug. 24 1912		First Half of Week beginning Aug. 26 1912
Cattleyas.....	35.00	to 75.00	35.00	to 75.00
Dendrobium formosum.....	20.00	to 25.00	20.00	to 25.00
Lilies, Longiflorum.....	4.00	to 5.00	3.00	to 5.00
" Speciosum.....	1.00	to 2.00	1.00	to 3.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 3.00
Asters.....	.10	to 1.00	.10	to 1.50
Gladioli.....	.50	to 1.50	.50	to 1.50
Daisies.....	.50	to 1.00	.50	to 1.00
Sweet Peas (per 100 bunches).....	1.00	to 2.00	1.00	to 2.00
Gardenias.....	15.00	to 20.00	15.00	to 20.00
Adiantum.....	.50	to 75	.50	to .75
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings.....	.....	to 35.00	.....	to 35.00
" & Spreng. (100 bunches).....	10.00	to 16.00	10.00	to 16.00

Obituary.

Melville A. Scovell.

Melville A. Scovell, for 27 years director of the Kentucky Experiment Station, Lexington, Ky., died last week of heart failure.

Peter Erickson.

Following an operation for appendicitis, Peter Erickson, gardener, of Berkeley, Cal., died at the hospital on August 8th. He was born in Sweden 67 years ago and had resided in Berkeley for about 15 years. Two children survive him.

Harry Dampier.

On August 10, Harry Dampier, gardener, of New Orleans, La., died suddenly at his home. He was a native of Devonshire, England, and located in New Orleans twenty years ago. He was 57 years of age. His wife and two daughters survive him.

John M. Diedermann.

John M. Diedermann, formerly a florist on Orleans street, Baltimore, Md., died at the home of his daughter in New York. He retired several years ago and his son continued the business. He is survived by his wife, three sons and two daughters.

Mrs. George Cruickshanks.

Mrs. Cruickshanks, wife of George Cruickshanks, of R. & J. Farquhar's seed store, Boston, passed away on Tuesday night, August 27th, leaving an infant a few days old. Mr. and Mrs. Cruickshanks had been married about a year. The funeral took place from their home in Roslindale, Mass., on Friday, the 30th inst.

IDENTITY OF ROSE MRS. TAFT.

Messrs. S. S. Pennock, George C. Watson and I compared today some blooms of Mrs. Taft with Antoine Revoire and Prince de Bulgarie. We were unable to detect any difference between Mrs. Taft and Antoine Revoire and believe them to be identical. Prince de Bulgarie is quite distinct from either. Later the same flowers were shown to J. Otto Thilow, who fully agreed with our decision.

The plants of Revoire and Bulgarie from which the sample flowers were taken were obtained from Alexander Dickson & Sons in 1904.

ROBERT HUEY.

Phila., Pa., Aug. 17, 1912.

Queens N. Y.—The florist business of John Gilkinson, Hollis avenue, has been sold and Mr. Gilkinson has purchased a farm in Millertown, N. Y.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
353 Lake Street, Kendallville, Ind.

Mention Horticulture when you write.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AQUATICS

To Close for Cleaning Pool, 20% for Cash With Order.

Water hyacinths, the oddest, most beautiful and valuable plants; extra strong, in the finest condition; \$5.00-100, \$35.00-1000; second grade, \$3.00-100, \$18.00-1000. Blooming water hyacinths make leaders at 25c. retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

ARAUCARIAS.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

Frank Oechslin, Chicago, Ill.
Asparagus Plumosus.

For page see List of Advertisers.

B. Soltau Fernery, Jersey City, N. J.
Asparagus Plumosus Nanus.

For page see List of Advertisers.

John C. Hatcher, Amsterdam, N. Y.
Asparagus Hatcherii.

For page see List of Advertisers.

Asparagus plumosus, 2½ in. pots, at \$4.00 per 100. Ruxton Floral and Nursery Co., Ruxton, Md.

AZALEAS

P. Ouwkerk, Hoboken, N. J.
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Loechner & Co., New York, N. Y.
For page see List of Advertisers.

BAY TREES

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Bobbin & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

BEGONIAS

Begonia Lorraine, \$12.00 per 100; \$50.00 per 500. Julius Roehrs Co., Rutherford, N. J.

BOXWOOD TREES

Bobbin & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees, all sizes. Ask for special list.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOXES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
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A. A. Arnold, Chicago, Ill.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BULBS AND TUBERS

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Joseph Breck & Sons, 47-4 N. Market St., Boston.

French and Dutch Bulbs.

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Bulbs for Easter.

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Weeber & Don, New York, N. Y.

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P. H. Goodsell, New York, N. Y.

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Bulbs of all descriptions. Write for prices. C. Keur & Sons, Hillegom, Holland.

New York Branch, 31-33 Broadway.

CALIFORNIA PRIVET

Franklin Davis Nursery Co., Baltimore, Md.

CAMPANULA

Campanula medium, 2½ in. pots, fine for growing for Easter, \$3.00 per 100. Cash. A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

CAPE JASMINE

Cape Jasmine, fine cuttings, 8 inch and over, ready for rooting; 100 \$1.00, 1000 \$8.00, prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

Charles H. Totty, Madison, N. J.
Field-Grown Carnations.

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F. Dörner & Sons Co., Lafayette, Ind.

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George Peters & Sons, Hempstead, N. Y.

Field-Grown Carnation Plants.

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B. G. Merritt & Co., Grange, Md.

Field-Grown Carnations.

Field-Grown Carnations, White and Pink Enchantress, Perfection, Winsor, Fenn, Queen, Lawson, \$6.00 per 100. Cash. Chas. H. Green, Spencer, Mass.

Carnations, extra strong, stocky, clean and large field plants. Winsor, \$4.00 per 100; White Perfection and Beacon, \$5.00 per 100. E. A. Muchow, Clarence, N. Y.

Field-grown carnation plants. Clean, healthy and strong plants. 1175 W. Enchantress, 1100 White Perfection, 1370 R. F. Enchantress, 770 Enchantress, 210 Dorothy Gordon, 225 Beacon, 50 O. P. Bassett, 6c. 550 Winsor, 5c. Cash. Atwell, Florist, Fort Lodge, Iowa.

CARNATION AND CHRYSANTHEMUM TIE

Williams, Utica, N. Y.
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CELERY PLANTS

Strong transplanted Giant Pascal, Giant Golden Heart, Winter Queen, 25c. per 100; \$2.00 per 1000. Bryn Mawr Florist Co., Yonkers, N. Y.

CROTONS

Robert Craig Co., Phila., Pa.
Craig's Quality.

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CHRISTMAS FLOWERING SWEET PEAS

Arthur T. Boddington, New York, N. Y.
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CHRYSANTHEMUMS

R. J. Irwin, New York, N. Y.
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CHRYSANTHEMUMS (Rooted Cuttings). 500 Smith's Advance, \$2.50 per 100. 500 each Touseit, Ivory, Donatella, Yellow Jones, 2500 Robt. Halliday, Mrs. Hurley and Baby, 8000 J. Rosette, \$15.00 per 1000. Cash with order.

William Swayne, Kennett Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c. by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANTHEMUM, THE. By A. Herrington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 160 pages. Price 50 cents.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
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R. J. Irwin, New York, N. Y.

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Cyclamens, 3-inch pots, \$10.00 per 100; \$80.00 per 1000. Julius Roehrs Co., Rutherford, N. J.

CYPERUS

Cyperus tenuifolius, 3½ in. pots, very bushy and compact, \$8.00 per 100. Cash. A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

DAHLIAS

R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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John Scott, Brooklyn, N. Y.

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DEUTZIA

Deutzia gracilis, specially grown for Easter forcing, very bushy, \$15.00 per 100. Cash. A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

DOUBLE CLAW HAMMER

Double Claw Hammer Co., Brooklyn, N. Y.
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DRACAENAS

Dracena indivisa, 5 in., pot-grown, ready for repotting, excellent value, \$25.00 per 100. Cash. A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

EVERGREENS

Bobbink & Atkins, Rutherford, N. J.

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Palverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

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Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

DOUBLE FARM CROPS. By restoring soil fertility with Shell-Marl Land-Lime, Wood Ashes Substitute, Ground Phosphate Rock, Basic Slag. Endorsed, recommended and used by experiment stations and leading farmers. Best results by applying in the fall. Send for catalogue. Vermont Marl Company, Brattleboro, Vermont.

FERNS

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McHutchison & Co., New York, N. Y.
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Choice Ferns.
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B. Soltau Fernery, Jersey City, N. J.
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Adiantum cuneatum, 4 in., \$8.00 per 100. Wm. Capstick, Auburndale, Mass.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Boston Ferns, fine stock, for 6 in., 35c.; for 4 in., 12c. Orders booked now for Boston and Whitman, young, \$20.00 per 100. Cash. A. E. Monroe, Wellesley Farms, Mass.

Fern runners, fine stock Boston. Whitman, Amerpohl, Springfield, Ill. \$1.50 per 100, \$15.00 per 1000. Roosevelt runners, very fine, \$6.00 per 100, \$50.00 per 1000. Roosevelt, 4-inch, \$15.00 per 100, 5-inch, \$25.00 per 100. Asparagus Plumosus, 4-inch, handsome stock, \$8.00 per 100, 50.00 sq. ft. of glass at Cleveland, O., devoted exclusively to ferns. I have the best stock to be had anywhere. Prices are low, for cash only. Schneider, Florist, Springfield, O.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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Special Gladioli.

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GLASS

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLASS SASH

V. E. Reich, Brooklyn, N. Y.
Improved Double.

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GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GODFREY CALLAS

Patten & Co., Tewksbury, Mass.
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GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.

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Greenhouse Heating and Ventilating.

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Pierson U-Bar Co., Madison Ave., New York.
Designer and Builder.

Lord & Burnham Co.,

1133 Broadway, New York.

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King Channel Gutters.

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Florists' Hall Asso. of America.
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Hydrangea Otaksa.

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In writing to Advertisers kindly mention Horticulture

INSECTICIDES

- Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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- Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
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- Apine Manufacturing Co., Madison, N. J.
Apine and "Squito-Kid."
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Standard Insecticide.
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- Interstate Tobacco Co., New York, N. Y.
"Tip Top" Tobacco Powder.
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Nico-Fume.
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IRON GUTTER.

- Metropolitan Material Co., Brooklyn, N. Y.
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IVIES

- English Ivy, strong, at \$8.00 and \$12.00 per 100. C. Winterich, Defiance, O.

JAPANESE LILIES

- Loechner & Co., New York, N. Y.
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KENTIAS

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LANDSCAPE ENGINEERS AND CONTRACTORS.

- Fairfield Landscape & Nursery Co., New York, N. Y.
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LILY OF THE VALLEY PIPS

- Loechner & Co., New York, N. Y.
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LILIUM FORMOSA AND GIGANTEUM.

- R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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MARGUERITES

- Unrooted Alexandra marguerites, \$1.00 per 100. Winter flowering yellow marguerites, the right kind: unrooted, \$2.00 per 100; rooted, \$4.00 per 100. Cash. A. E. Monroe, Wellesley Farms, Mass.

MASTICA.

- F. O. Pierce Co., New York, N. Y.
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MUSHROOM SPAWN

- J. M. Thorburn & Co., New York, N. Y.
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NARCISSUS BULBS

- 50,000 Potions (Pheasant's Eye), \$1.25 1000. E. W. Plater, Carbondale, Ill.

NICO-FUME

- Kentucky Tobacco Product Co., Louisville, Ky.

NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
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- Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
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- P. Hamilton Goodsell, New York, N. Y.
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- Fairfield Landscape & Nursery Co., New York, N. Y.
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- Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

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Hybrid Orchids.
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- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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- Orchid Plants, fresh importations, best commercial varieties, reasonable price. John De Buck, care of Maltus & Ware, 14 Stone St., New York City.

ORCHID GROWERS' MANUAL.

- By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and Orchid Culture ever published. Price \$10.00.

- Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PALMS, ETC.

- A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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- Godfrey Aschmann, Philadelphia, Pa.
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- Joseph Heacock, Wyncote, Pa.
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- Loechner & Co., New York, N. Y.
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PANDANUS

- Pandanus utilis, 3 1/2 in. pots, \$12.00 per 100. Cash. A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

PAPER POTS

- Paper Pots: 5000 3 in., \$5; 2 1/2 in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

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PECKY CYPRESS BENCHES

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- A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES.

- Peonies. The world's greatest collection, 1200 sorts. Send for list. C. Betscher Canal Dover, O.

- Peonies—The best French collections. Catalogues free. Dessert, Peony Specialist, Chenonceaux, France.

- Peony roots, white, pink, red and yellow. \$3.00 per 100 and up. Send for list. Thomas J. Oberlin, Sinking Spring, Pa.

PHLOXES.

- Elizabeth Nursery Co., Elizabeth, N. J.

PHOENIX ROEBELINII

- B. Soltan Fernery, Jersey City, N. J.
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- August Rolker & Sons, New York, N. Y.
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PLANT TRELLISES AND STAKES

- Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.
- Plant Trellises and Stakes. P. A. Angier & Co., Westboro, Mass.

PLANT TUBS

- H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

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POT HANGERS

- Pot hangers, Kramer's \$1 doz. by exp. \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

POULTRY AND FARM REVIEW

- The Rex Company, Harrisburg, Pa.
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PRIMULAS

- Primula malacoides, 4 in. pots, at \$8.00 per 100; 2 1/2 in. pots, at \$4.00 per 100. Primula obconica (best strain), 2 1/2 in. pots, at \$3.00 per 100. Ruxton Floral and Nursery Co., Ruxton, Md.

PRINTING

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- 400 Radiance Roses, 4 in. pots, at \$10.00 per 100. 200 Golden Gate, 4 in. pots, at \$8.00 per 100. Ruxton Floral and Nursery Co., Ruxton, Md.

ROTTED PEAT AND SPHAGNUM MOSS.

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P. H. Goodsell, New York, N. Y.
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varieties. Catalogue free. Basil Perry,
Cool Spring, Delaware.

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Violets, Prince of Wales, strong, healthy,
field plants, \$6.00 per 100, \$55.00 per 1000.
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Wirework. Write for our catalogue.
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PUBLICATIONS RECEIVED.

L. C. Page & Co., Boston, have just published two new books in the "Spell" series—"The Spell of England," by Julia de Wolf Addison and "The Spell of France," by Caroline Atwater Mason.

The Spell of England is all engrossing and the romantic and historical facts with which it deals are treated in a vein which has just enough of the sparkle of humor to maintain the interest of the reader. The various chapters are devoted to The Heart of England, The Moated Grange, Bam-bury Cross and other quaint spots in the Coteswood Hills, The Valleys of The Severn and The Nye, About Bath and Wells, Here and There Near London, The Great Universities, Days in The North, The Vale of Conway, Snowdonia and the Great Legend, Merioneth and The Dee, The Shrine of St. Edmund, Canterbury, Along the Southern Coast, etc. 436 pages and many beautiful illustrations including a frontispiece in natural colors of "Caesar's Tomb" at Warwick Castle. The price is \$2.50 net.

"The Spell of France," like the foregoing is adorned with many illustrations from special photographs in rich binding and all the finish which characterizes all the Page publications. The author conducts the reader through haunted castles, churches and abbeys, olive fields and vineyards, the roses of Provence, under the palms and groves on the Mediterranean shore, and among the mountains and rivers of Old France and the impressive remains of an earlier civilization in a most entertaining manner and next to an actual visit this book will be enjoyed by anyone interested in foreign travel, history, legend and customs. Price \$2.50 net.

A word regarding two new books of fiction from the same publishers. "The Chronicles of Avonlea" by Miss L. M. Montgomery, author of "Green Gables," is a delightful story, full of the element of human pathos, cheery and refined, and pervaded by a sweet atmosphere throughout. Price \$1.40, postpaid.

"Miss Billy's Decision" is overflowing with romantic humor and just suited for these vacation days. It would be a most excellent companion for the ladies of the family if you have to leave them at home when you go to the fall exhibitions. It is a sequel to "Miss Billy" and all the interesting characters portrayed in that

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WANTED—At once, a man willing to work as partner in established nursery business. For particulars write or come in person AT ONCE. Charles F. Newell, Church St., West Newbury, Mass.

WANTED—Man on a private place, five acres, two greenhouses; must be temperate and best of reference; steady work year around. "E. M." care HORTICULTURE.

WANTED—First-class grower of cut flowers and winter vegetables for range of 30,000 feet of glass in Middle West. Only steady, reliable, experienced man wanted. Give all references, etc., in first letter. "M. F." care HORTICULTURE.

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SITUATIONS WANTED

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FOR RENT

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GREENHOUSE property for sale, Wood-lawn Ave., Everett, Mass., belonging to Wm. Christie, Florist. Three houses—2, 20 x 100, 1, 12 x 40; dwelling house, stock, etc., included; 52,428 feet of land. Call on premises.

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volume are again introduced. The author is Eleanor H. Porter. Published by L. C. Page & Co., 53 Beacon St., Boston. Price \$1.40 net.

Bulletin No. 5 of the American Gladiolus Society has been issued. It contains a complete list of the members and other useful and interesting information for the trade.

ST. LOUIS NOTES.

George Walters, who makes florists' wire work, has moved into the wholesale district. His new shop is at 1531 Pine street.

M. P. Brazill of this city was elected vice-president of the National Association of Cemetery Superintendents at its meeting held last week at Milwaukee, Wis.

The Apple Growers' Congress of America held its annual meeting here at the Planters' Hotel last week. The meeting lasted two days and was well attended. The election resulted in the re-election of all the old officers.

PRESENT KNOWLEDGE OF SWEET PEA DISEASES AND THEIR CONTROL.

A paper by J. J. Taubenhaus, Delaware College Agricultural Experiment Station, Newark, Del., read before the American Sweet Pea Society, Boston, July 13, 1912.

(Continued from page 32)

Diseases of the Sweet Pea.

In dealing with the diseases of the sweet pea, we have to recognize two classes: 1. Disease of the sweet pea grown under glass. 2. Diseases of the sweet pea grown outdoors.

Under glass, sweet peas are not as extensively grown as outdoors. The time is undoubtedly rapidly approaching when the market will call for more sweet peas in the winter. We have no information as to how many are actually engaged in growing winter sweet peas, nor of the successes or failures these growers meet. We know of a few growers who have attempted to grow sweet peas under glass but who have failed. For the benefit of the rest of us, we will here consider some specific cases in order to bring to your attention some of the possible diseases which may trouble sweet peas under glass. A grower (I cannot give you the name) erected a forcing house for the purpose of growing winter sweet peas. His first attempt was a failure. His plants began to die in spots and only here and there did a plant remain alive. The grower soon complained to his seedsman and the latter kindly referred him to us. We immediately asked for a complete history of the trouble and for specimens of diseased plants and soil. The following is the history of the trouble as told by the grower himself: "The house the peas are in was built last summer, on a piece of ground which had been in grass for over five years. I bought the ground six years ago from a farmer, who had corn in it for several years, but always very poor. I gave it a heavy dressing of horse manure and had it ploughed and sown with Kentucky Bluegrass and Red Clover seed. The grass was a failure and the clover did not come up at all. When I planted the peas I manured very heavily, about 4 in. of cow manure and some little horse manure. Those that did grow did very finely, the rest were a failure. It is altogether a puzzle to me, and I hope you will be able to get at the root of it."

The diseased specimens this grower sent us revealed some very interesting things. It was plainly seen that the plants suffered from more than one disease. At an exterior view the plants looked healthy, but a closer examination revealed a yellowish, sickly appearance. The seat of the trouble in some cases was confined to the roots only, and in others to that part of the stem just above the roots. In the first instance we found a typical case of eel worms, (*Heterodera radicola*) better known as root knot disease in other plants. Those of you who grow violets have surely met with this trouble. It is evident that roots crippled with eel worms cannot make much headway. Of the other specimens, where the seat of the disease seemed to be located at the junction between the roots and the stem, the latter was found to be covered with a white web of fine mycelium threads of a fungus. In

splitting open the stem it was found to be filled with the same white mycelium and intermixed with small sclerotia. Cultures of this mycelial growth readily gave a pure culture of a *Sclerotinia*, resembling in all appearances the *Sclerotinia libertinia*, a fungus which causes the damping off of lettuce and so many other plants. In order to establish definitely the relationship of this *Sclerotinia* fungus to this disease of sweet peas under glass, sterilized seeds were planted in sterilized pots and soil in the laboratory. All the seeds germinated and the plants were allowed to grow for three weeks, no disease appearing on them. Then the pots were divided in two lots; one was left as a check and the other was inoculated with the pure culture of the *Sclerotinia* by introducing pieces of the fungus in the soil. Both lots check and infected plants, were covered with bell jars to imitate the moisture condition of the greenhouse. After four to six days, wilting of the inoculated seedlings began, whereas the checks remained healthy. This was repeated several times with always the same result. This conclusively shows that the fungus *Sclerotinia libertinia* is able, when present in the soil, to produce a disease on sweet peas under glass. The fungus is usually brought into the greenhouse with the soil, or with the manure. From the account which the grower gave us, it was purely a case of infected soil and this explains why his sweet peas failed. Cross inoculations with the fungus from the sweet pea and the one from lettuce produced typical cases of wilt in each, thus proving conclusively that the fungus from the sweet pea is the same as the *Sclerotinia libertinia* of the lettuce, and that the sweet peas are at stake if they are made to follow a crop of lettuce which suffered from this disease.

Several other fungi were isolated from the diseased stems and roots of the plants above discussed. Inoculations with pure cultures of these fungi on healthy seedlings proved to be active parasites. We are not here giving our final word on these fungi, as more experiments are still under way. While working on the diseases of the roots and stems we also investigated the soil which was sent to us by the grower. Accordingly, a few sterilized pots were filled with the soil and sterilized seeds planted in it, and a few other sterilized pots were filled with sterile soil and also sown with sterilized seeds. The same amount of seeds was planted in both lots of pots. After ten days the seeds in the sterile soil germinated and grew well, while the seeds in the sick soil germinated but very sparingly. Upon closer examination the non-germinating seeds were found to be rotted, and of the few plants which grew one-half had their roots nearly rotted. In culturing these roots the same fungi were obtained. Cultures made from the sick soil produced the same fungi as those found on the diseased roots and stems. Our experiments are as yet incomplete but the results obtained so far point to the fact that these fungi in the soil are the cause of this soil sickness. The debris found in this sick soil also readily yielded a pure culture of the *Sclerotinia libertinia*, of which I have just spoken. The fungus diseases just described can also at any time and un-

der certain climatic conditions, attack the sweet peas grown outdoors. So much for that grower.

Complaints of another grower of sweet peas under glass reached us. The following are his own words, which speak for themselves: "I grow sweet peas under glass for cut flowers and have been seriously troubled with a disease that spots or mottles the foliage with a yellow color, disfiguring the foliage and flowers, and as it becomes pronounced a diseased plant never recovers. Both the weak Winter blooming and the stronger Grandiflora and Spencer types are subject alike to it outdoors as well as under glass. We know nothing of this trouble, every grower we have spoken to having a different theory, some believing the puncture of green fly, or aphid, to be the cause. Our observations led us to believe that the use of green manure was responsible. Any light you can turn on this trouble will be greatly welcomed. Early in the Spring of 1911 it started in greenhouses and spread rapidly, destroying fully one-third of our crop. Last fall it showed up again. We carefully pulled out all plants showing it and gradually it disappeared. As the weather became hot this spring, considerable of it was noticed, but it was too late to do much harm." This closes the quotation.

As this same spotting, or mottled disease is also a very serious trouble of outdoor sweet peas we shall discuss it later under our next heading.

Outdoor Diseases of the Sweet Pea.

Before taking up these diseases it would not be out of place to mention the insects which are parasitic on the sweet pea, although this could constitute an address by itself. Among the biting insects we have the "Corn root worm beetle" (*Diabrotica longicornis*) so called because the larvæ often injure the corn crop in the South. The beetle is greenish yellow, with six black spots on its back. It resembles the Cucumber striped beetle. Another biting insect is the striped Potato beetle (*Epicauta vittata*). The cutworm, when present, often causes great annoyance, sometimes destroying the entire crop. The wireworm also is to be dreaded, especially when sweet peas are planted on a soil which was previously in sod.

Among the sucking insects we have the red spider (*Tetranychus telarius*) which is especially troublesome to peas under glass. Finally, the green aphid, which is also very troublesome, is more to be feared in dry weather. So much for the insects. I have mentioned them not only for the harm they inflict by themselves but, as you will soon see, for the important role they play in spreading about the fungus diseases of the sweet pea.

As to the fungus diseases proper, it seems that an erroneous belief has crept into the minds of some growers and even into those of some of our sweet pea specialists, namely, that the sweet pea is a plant unusually free from diseases; that the diseases, if ever present, are induced by dry weather or excessive feeding; and that when the plants are growing naturally they are practically immune from the attacks of any diseases. We do not mean to deny that high feeding may predispose the plants to diseases, although this has to be experimentally

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proven before we can accept the statement as valid. We believe that growing sweet peas under natural conditions will not immunize them from diseases of any sort. In fact, our own experimental plantation of sweet peas which we have at the Delaware Agricultural Experiment Station is as free from excessive feeding as one could wish. The soil is of ordinary clay loam. It bore two years ago a crop of hay, and last year a crop of potatoes. The potatoes last year received a regular potato fertilizer and this year no manure of any kind was applied. The sweet peas are, of course, given the necessary cultivation and no more. Yet, in spite of this they are suffering from two of the worst diseases, and of which I shall speak presently.

(To be continued.)

GREENHOUSES BUILDING OR CONTEMPLATED.

- Bowdenham, Me.—Hall Bros., one house.
 Decatur, Mich.—James I. Huff, one house.
 Dayton, Wash.—Harrison & Hutcherson, additions.
 Oaklawn, R. I.—Joseph Kopelman, house 30 x 175.
 Dayton, Ohio—Harry Jorkens, Troy Pike, two houses.
 Olney, Philadelphia, Pa.—Louis Burk, orchid house, 15 x 50.
 North Stoughton, Mass.—Miss R. A. Washington, addition.
 Ogden, Utah—B. Van der Schuit, 740 28th street, house 22 x 40.
 Buffalo, N. Y.—S. A. Anderson, propagating house 12 x 60.
 Providence, R. I.—Charles Isatelle, 198 Sharon street, one house.
 Spring Valley, N. Y.—A. S. Burns, Jr., five houses, each 35 x 200.
 Worcester, Mass.—Francis A. Kinnicut, 50 Elm street, one house.
 Detroit, Mich.—John Breitmeyer's Sons, three houses, each 20 x 80.
 Mountain View, Calif.—C. E. Adams, two carnation houses each 20 x 100.
 Emporia, Kan.—Emporia Floral Co., West and 12th streets, house 20 x 100.
 St. Joseph, Mo.—Mount Mora Cemetery Association, Corby street, one house.
 Minneapolis, Minn.—John Duncan, 36th and Grand avenues, range of houses.
 Springfield, N. J.—Dr. Henry P. Dengler, Morris avenue, range of houses.
 Marion, Mass.—Col. H. E. Converse, D. F. Roy, superintendent, two conservatories.
 Batavia, Ill.—Andrew Anderson, Batavia avenue and Morton street, replacing old house with two new ones.
 Penllyn, Pa.—Campbell Bros., instead of building one house as recently reported, are to build three houses each 16 x 151 and one 16 x 168.

1000 READY PACKED CRATES STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1 1/4 in. @ \$6.00	500 4 in. @ \$4.50
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1500 2 1/4 " " 5.25	320 5 " " 4.51
1500 2 1/2 " " 6.00	210 5 1/2 " " 3.78
1000 3 " " 5.00	144 6 " " 3.13
800 3 1/2 " " 5.80	120 7 " " 4.20
	60 8 " " 3.00

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New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

NEWS NOTES.

Luling, Texas—Mrs. D. Gregg has established the Sweet Home Nurseries here.

Libertyville, Ill.—The capital stock of the Meredith Flower & Vegetable Co. has been increased to \$35,000.

Athol, Mass.—The Millington Fern Co., a new firm, have purchased property here and will gather ferns for the trade.

Clarksville, Tenn.—The florist establishment of James Morton, known as the Evergreen Lodge Garden, has been sold at auction.

South Hadley Falls, Mass.—The greenhouse and nurseries of Joseph Beach have been sold to Reginald S. Carey, of Holyoke.

Boston, Mass.—The Bull Moose is the significant title given by Fottler-Fiske-Rawson Co. to a brilliant bandanna-red dahlia, one of this year's novelties.

Independence, Mo.—The range of three houses which the S. Bryson Ayres Co. is building are to be used for growing stock seed of their winter-flowering sweet peas and for propagating new varieties. The new tract of land on which these houses are being built is located one mile from the present place. It is intended to grow different varieties at each place in order that there will be no danger of the varieties mixing and they hope in a short time to have them 100 per cent pure.

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- 1,035,226. Weeding and Cultivating Tool. John William Olman, Oakland, Cal.
 1,035,561. Flower Pot. Nelson Felty, Elizabethtown, Pa.
 1,035,605. Greenhouse. Rudolph D. Kline, Streator, Ill.
 1,035,613. Fruit Gatherer. Peter H. Lint, Berkeley, Cal.
 1,035,781. Seed-Planter. James R. Farthing, Garfield, Ga.



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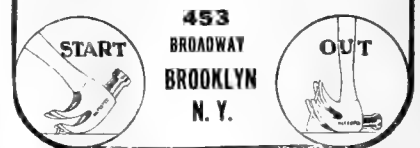
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Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.

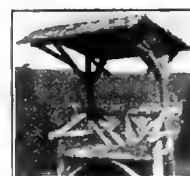
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Reel of 500 ft., " 14 1/2 c.
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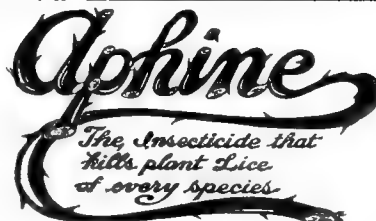
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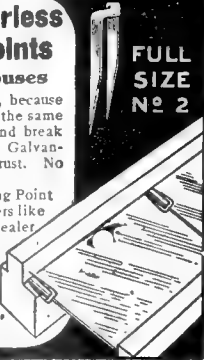
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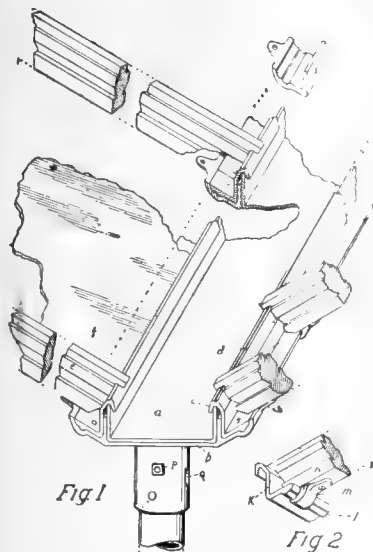
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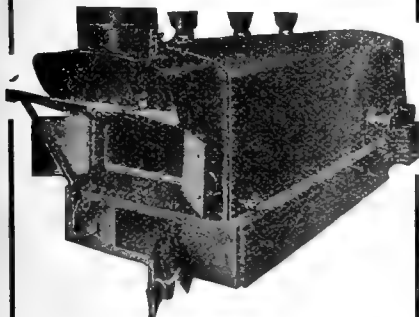


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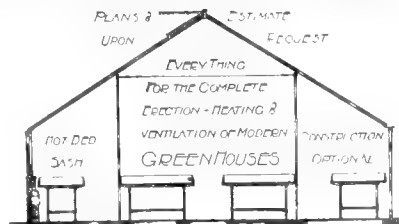
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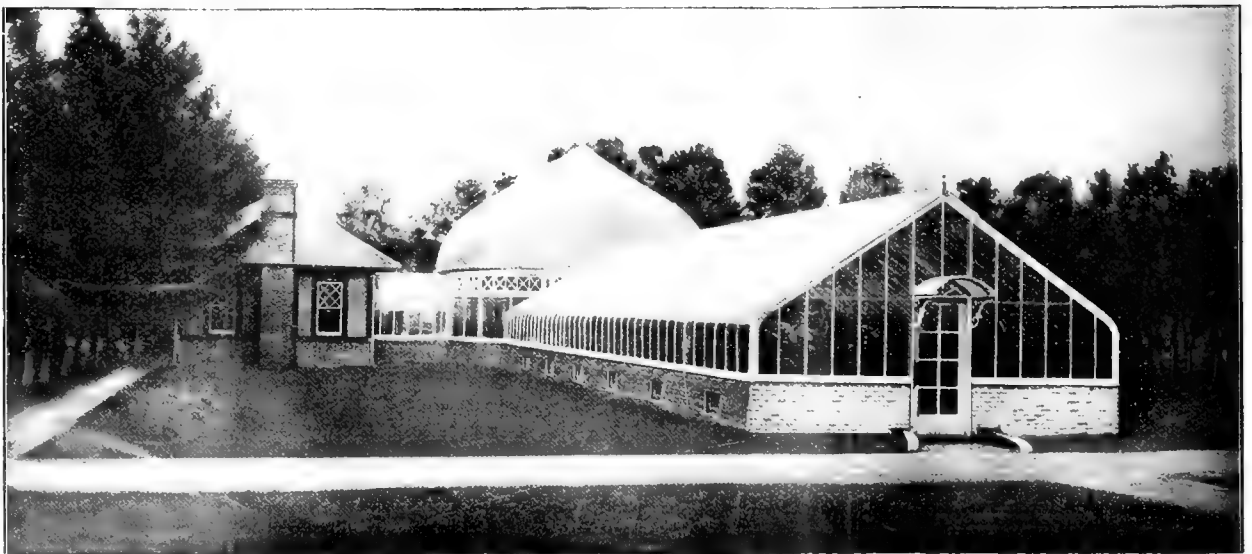
against a snag and our customers insist on building some unfortunate thing. Every time we carry such ideas out, invariably the owner sees the error when the lay out is completed and blames us for it. Even accuses us of not knowing our business.

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HORTICULTURE

Vol. XVI.

SEPTEMBER 7, 1912

No. 10



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 \$3.50 per 100; \$30.00 per 1000.

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Lady Hillingdon, fine stock, Grafted, \$25.00 per 100; Own Root, \$15.00 per 100.

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Masdevallias

The genus *Masdevallia* forms a distinct and very interesting section of the great orchid family. They differ considerably from other orchids in the shape of their flowers; the petals and the lip, which are usually the most attractive part in an orchid flower, are here very much reduced and in some instances completely hidden away in the tube of the sepals by the dorsal sepal turning down, thus concealing the inner whorl of the flower very effectively. The beautiful *M. ignea* is a good example. In the curious *M. bella* the petals are small but not concealed while the pure white pendulous lip contrasts very nicely with the dusky looking sepals, which with their long tails remind one of a brownie. *M. Veitchiana*, *M. Harryana* and *M. coccinia* are amongst the brightest colored orchids I know of and they always attract the attention of visitors. *M. Veitchiana* is bright orange scarlet, densely set with short woolly glands which are tipped with rich purple; this changes the color of the flower when looking at it from different angles, reminding one of changeable silk. The flowers of *M. Harryana* are brilliant purple or magenta with a white eye and those of *M. coccinia*, intense scarlet or vermillion with a purple sheen similar to that in *M. Veitchiana*. *M. towarensis* (see cover illustration) is a very attractive dwarf-growing species with pure white flowers which usually grow in pairs. This latter flowers



MASDEVALLIA VEITCHIANA

in midwinter and would be very serviceable for Christmas. The other varieties mentioned above flower during spring and early summer. Their flowers last several weeks in good condition and are produced at intervals for a long time.

It is a pity that these lovely orchids are not more generally grown. They are easy to grow and can be readily increased by dividing the plants. They inhabit the mountainous regions of tropical America from Peru to Mexico, a few being found in Brazil and Guiana, and therefore require cool-house treatment all the year around. They must never be allowed to suffer for want of water as they have no pseudo-bulbs in which to store up moisture. In hot weather they must be shaded quite heavily, else they will soon suffer; a sharp lookout for thrips must be kept as these are very fond of them and will soon disfigure the leaves if allowed to get a foothold. An occasional fumigating with some good insecticide and frequent syringing on all favorable occasions will keep these pests away; prevention is better than cure, so don't wait until the thrips have established themselves before fumigating. Osmunda fibre and a little sphagnum moss furnishes a good compost for them to grow in. *M. bella* and others of the Chimera section should be grown in small pans, suspended from the roof on account of their pendulous flowers. The others are best grown in common flower pots.



MASDEVALLIA BELLA

M. J. Ope

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Bouvardias

It is time now to lift the bouvardias and house them. They delight in a house that gets plenty of sun during the winter. To grow bouvardias successfully a night temperature of at least 60 degrees will have to be maintained, and they should have a rise of from 10 to 15 degrees during the day with sun heat, but during dull days a rise of about 5 degrees will do. Give them a compost of three parts of fibrous loam and of cow manure and leaf-mold one part each, and see that they have good drainage. They can be planted a foot apart each way which will be little enough for them. Keep them shaded after planting for a few days until they begin to take root, and give them frequent syringings during the day and they will soon go ahead. These plants need very careful handling from this out, for if they should once happen to get a set-back it will be no easy matter to start them up again. Give extra attention to watering and give a good syringing on all bright days to keep down red spider and thrips. Whenever possible see that there is a circulation of fresh air in the house.

Cyclamen for the Holidays

All plants that are intended for Christmas blooming should be given a place on the sunniest bench, in a house that is kept from 50 to 55 at night. Place them far enough apart to let the sunlight enter all around them. Give a spraying once a day now, and do it sufficiently early so that they will be dry before night-fall and provide plenty of ventilation to keep the plants cool and airy and insure a fine stocky growth. The plants to be right for Christmas should now be showing quantities of buds about the size of pin heads, but where there are flowers on the way to open soon, these should be picked off. Extra care will have to be exercised in the way of watering, as some plants will dry out more quickly than others which will require a close observation two or three times a day, so every plant will be kept in the right state of moisture at the roots. Fumigate them lightly at least once a week for the aphids.

Crimson Ramblers

Where you have been growing this stock all summer by continuous pot culture, which no doubt always makes the best material for forcing, it is now time to let up on the water supply so as to ripen up their growth. This ripening up should always be done quite gradually, giving them a little less each week after they are placed outside. After two or three weeks the pots can be laid on their sides and left that way until they are stored away in the frame and covered with some boards and a little hay or straw, as the cold weather sets in. Stocks grown in the field should be lifted any time about the end of this month, care being taken to preserve as many of the roots as possible. They can be potted in any good

rose soil and given a thorough soaking, after which give just enough water so they will become well established in their pots without starting the buds up, and then they can be given the same treatment as for the pot-grown ones.

Hydrangeas

It is no good to wait any later before starting to lift hydrangeas that have been grown in the field. They will go into 6, 7 or 8-inch pots according to size. Make a rich compost for these plants, say to three parts of fibrous soil, give one part of well pulverized cow manure and a good sprinkling of bone meal, and see that the whole is thoroughly mixed. Such a mixture will be to their liking as it contains the available nitrogen that they will require later on. Place in shade for a day or two and then put them where they get all the sun that is going. They can be kept outdoors until heavy frost is threatened, when they should be placed under protection of some kind such as a deep frame. Plants that you have grown in pots will have their growth finished now, so withhold the water supply gradually so that they will get well ripened up.

Laelia anceps

The grower will have to use good judgment with these orchids now that fall is with us again. To ensure a free healthy growth with fine flowers you will have to keep as even temperature as possible. This is the season when *Laelia anceps* are in danger of receiving a set-back from some cause or another. Keep your house as well ventilated as the outside conditions will permit, being very careful not to allow any direct cold draughts to sweep over the plants. Do not let them become dry at the roots as they will take water in unstinted amount now when they are sending up their flower scapes. Create a liberal atmosphere moisture by damping down the walks and under the benches two or three times a day. Gradually expose to full sun all those that you may need for early flowering and you can retard a batch by using common sense in giving them a cool and lightly shaded house where the atmosphere is kept a trifle lighter and drier.

Making a New Peony Plantation

This is the time par excellence for the making of a new plantation. While peonies will do very well in a partially shaded place, yet when grown commercially great care should be taken to give them a place fully exposed to the sun. The next thing of importance is a rich soil that has been deeply dug and a generous amount of well rotted manure well mixed through it. Where you have plenty of land to spare give them at least four feet apart as they will need all this room. When planting see that they are not set too deep as this induces shy flowering. The crowns should be just about two inches below the surface to do well.

Mr. Farrell's next notes will be on the following: Carnations; Smilax; *Demorphochea aurantiaca*; Hardy Phlox; *Oncidium*; Tulips.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Using Cracked Ice in Boxes

Again we deem it wise to call attention to the importance of having your roses arrive in market in the very best condition possible. Roses, especially Beauties, if shipped long distances and no ice is used in the boxes, are very apt to open far too much to bring the tip-top price. This should not be allowed to happen, and the only way to prevent it is to use cracked ice and plenty of paper. In winter we use plenty of paper to keep the cold out; why not use as much in summer to keep the heat out? The flowers will keep cool for hours if packed in well-lined boxes, not allowing any of the buds to be exposed to the air any longer than is absolutely necessary.

In using ice we like to break it up into lumps as big as a hen's egg and then putting about a dozen of these around the stems of the buds. The buds or flowers themselves must not come in contact with the ice. Any bud coming in contact with ice will lose its color, the ice turning a Beauty bud blue.

Lime

Some of the early houses will now be wanting a light dose of lime. Watch the plants and as soon as they begin to show signs of weakness a light dose of lime should be given. This will not only harden the plants considerably, but will also act on the soil, making it much sweeter and render fertilizers contained therein more available. It will also destroy earth worms and other inhabitants of the rose bench. A light dose of air slacked lime applied at the proper time is one of the best things that could happen to a rose bench. Use only enough to whiten the surface of the soil.

Killarney Roses and Mildew

The Killarneys are more subject to mildew than some of the other varieties of tea roses; and it is therefore well to do everything possible to keep the plants vigorous and healthy. We find the grafted plants mildew much easier than own-root plants. For this we have as yet found no satisfactory explanation.

To prevent mildew on Killarney or any other rose begin when the plants are just planted and keep them well used to air. Give them plenty of it; "the more the merrier," as the saying goes. Plants that are well-hardened to air will not mildew every time a little draught or air current stirs the foliage. We find the Killarneys as a whole like lime. The quantity to be applied depends on the condition of the soil, some soils requiring more and others less. This the grower must decide himself.

In our locality the weather has been extremely cool off and on all summer so that it has been necessary to give the houses heat. Letting the houses go cold to save coal is poor economy, and you will find it pays well in the long run to keep the temperature right up to the mark. As stated only a short time ago the temperature in the rose house at this time of the year should never go below 64 degrees F.

Syringing

From now on it will be necessary to shake the plants well after each syringing so that all will be dry by night. This applies especially to Beauties. These must never be allowed to remain over night with wet foliage. Otherwise you are inviting a dose of blackspot and most growers know what that means. Just before quitting time blow a little lime under the plants with a pair of bellows. This is very important and should never be left undone.

Perennial Phloxes



This little illustration gives an idea of the gorgeous effect to be derived from planting phlox en-masse with natural surroundings. This picture, which was taken on the first of August, shows a natural effect obtained in conjunction with rock work and coniferae. The striking colors are prominent a great distance away and on a closer inspection reveal one of nature's most symmetrical flower forms. The hardiness of these plants is greatly in their favor, these having stood 18° below zero last winter without the least protection other than that afforded by the shrubs. They have some idea of taking care of themselves through the growing season, too, and when it comes to the survival of the fittest an established root of phlox is "in the field to stay." The range of color now to be found in these hardy phloxes is beyond my description; various heights are also to be had to suit any position. No wild garden, rock garden or herbaceous border is complete without them.

George H. Benson

HORTICULTURE

VOL. XVI

SEPTEMBER 7, 1912

NO. 10

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.**11 Hamilton Place, Boston, Mass.**

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

Per inch, 30 inches to page..... \$1.00

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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San Francisco's ambitions

There is already some talk of San Francisco as the place for the next National Show, following New York—the time to be 1915, the year of the Panama Exposition. The S. A. F. has already given evidence of favorable consideration of the invitation to hold the 1915 convention in San Francisco and the merging of flower show and convention into one big affair at that time has been mentioned as being within the range of possibility. It is intimated that the S. A.

F. would find San Francisco and the Exposition government ready to meet them half-way in the matter of prizes and that a unique and altogether unprecedented open air horticultural demonstration would be assured. There appears to be practically no limit to the ambitions of the Pacific Coast floricultural people in this project. Convincing proof that they mean business and are getting at it in good season can be found in the list of California members added to the S. A. F. rolls in the past two years, when the secretary's annual report is published.

To keep
up the interest

The passing of three weeks has already relegated the Chicago Convention to the "bygone" shelf. So recently an all-absorbing topic for comment and discussion and so soon cast aside! Yet many of the questions there brought forward are as important, and should be as much alive today as they were then and they will so continue. Here is one direction in which a closer concentration of effort between the florists' clubs and the national society could be turned to great practical advantage. The various local clubs are now resuming their regular meetings. The president's address at Chicago and the report of the committee appointed to consider its recommendations, which of necessity received only a brief and superficial consideration, might well be made to furnish live topics for a whole season's discussion in the local organizations and thus accomplish a world of good. Take the subject of "overhead costs" for example. Who can doubt that if every organization of commercial florists in the country—growers and dealers—should make this the one topic for consideration at their October meeting, the result would be of great benefit to the trade at large? Only in some such way can we reap the full measure of good which is brought forth at such a gathering of the brightest and most successful men in the trade.

The plant
inspection law

The import of the federal plant inspection law is given in this paper together with a copy of the form of application for permit to enter nursery stock under the provisions of this law. This is the act known as H. R. 24119 "to regulate the importation of nursery stock and other plants and plant products." The Federal Horticultural Board established by the law has been appointed and, we understand, is now considering the regulations which are to be prescribed by the Secretary of Agriculture. The Board is made up as follows:

C. L. Marlatt, Assistant Chief Bureau of Entomology (Chairman); Dr. W. A. Orton, Plant Pathologist (Vice Chairman); Peter Bisset, Bureau of Plant Introduction; A. F. Burgess, Entomologist; Geo. B. Sudworth, of the Forest Service.

The law will go into effect on October 1, 1912. A permit will be needed for each separate importation. This is one of the most important legislative acts ever passed, in its relationship to the business of the florist and nurseryman and our readers are advised to peruse it carefully and thus become thoroughly familiar with its provisions. As finally passed and approved it practically upholds all the terms of the Simmons Bill against which much protest was made. We hope that with all the legislation of one kind or another affecting the nurseryman, florist and seedsman recently enacted we shall now be given a respite for a while. We are pleased to see the name of Peter Bisset on the list of Board members. Mr. Bisset has the respect of the entire horticultural fraternity.

FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Feeding Strawberries

As strawberries fill out the pots with roots feeding can commence. The crown has to be made up during the next seven or eight weeks, so they will repay any care and attention bestowed on them. Do not rush a quantity of strong manures into them right away, or "too much of a good thing" will be demonstrated. Start gently using a weak solution of soot water as a first persuasive. Soot in itself has little feeding qualities but it will assimilate nutriment already in the soil and also sweeten it. Following this, weak solutions of manures can be applied, gradually working them up to full strength. Solutions of manures are recommended because I think strawberries are best fed with solutions; the only time dry manures are superior is when the surface is being loosened up and this can be worked in. Care should always be taken not to give the plants any stimulants when they are dry; rather go over them first with clear water using the "strong stuff" afterwards. With good weather prevailing the plants will need looking over for water twice each day. They should also receive a syringe after the dew has gone off in the morning and again late in the afternoon.

Watering Finished Trees

Peach and nectarine trees which are now ripening up the wood will require less water at the root than hitherto. The growing season is over with them, they are in a semi-dormant condition and any excessive moisture will be injurious, helping to keep the wood green, as well as to prevent the tree from resting. There is no danger at this period of disaster from drought; it is after the leaves are off that dryness will cause flower buds to drop. This is why I consider that the most critical time of the whole season of a peach or nectarine is when they are resting. You have no danger signals then to prevent a wreck. From now on aim to keep the border at the "half-way house." This is also applicable to vines in a lesser degree, as they with their mass of roots will dry out a little oftener.

Shading

Any shading still remaining on fruit houses should now be removed (gradually) giving the trees and vines every opportunity to ripen up their wood and develop good buds for next year's products. The one exception to be made perhaps is any vinery which may still be cutting; in this case it will be well to leave it on until the crop is off. Later houses can be left a little longer, if the fruit is coloring satisfactorily, but in no instance should more shade be put on. Where any difficulty has been experienced in other years to get a satisfactory finish on Gros Colman or any of its associates remove the shade a few weeks earlier.

The Ant

Ants are quite a source of trouble on some places, marauding any house at will. While not professing to know their biography I do know they can distribute

mealy bug and other live stock with great rapidity. It is said that an ant is the strongest creature in the whole world in proportion to its weight, and seeing the load they carry one can readily believe it. They are mean things to rid a place of if once established, the instinct they are endowed with giving them due warning from most poisons, etc. About the most expedient method of extermination is to feed them with bread, meat or bones, placing it on a loose board so that when a good number are feeding the whole lot can be dumped into a pail of hot water or something equally effective. This takes time and labor as does every other practical device of eradication. After any kind of fruit has had the skin punctured these little torments delight to make use of it.

Soil

With the time for top dressings, additions, and new borders to be made, one looks towards the soil heap. The storing of sod has not been suggested previously as, with the exception of a little soil needed to finish off after root pruning, there is quite time yet before the other work will come on. Fruit trees differ from plants in respect to soil. The latter require available food immediately on planting while the former are still dormant for some time after the soil is supplied to them, thus giving it time to decay and be in its best state when needed. For all such work loam will be best nearly fresh but let the grass be near decayed. This latter alone is all to debar new cut sod from being used. Where soil has been stored some months and yet has three, four, or five months before it is needed to furnish a food supply much will be lost. Manure of any kind should be kept out of the soil heap intended for use in the fruit houses. Get the very best sod procurable—old pasture land which has been grazed with mixed stock is the best. The method generally in vogue is to plough up so much sod and shovel all that comes into the wagons, dumping it out the quickest way with the teams continually driving over the heap. This is the "get there" idea and leaves the grower to make the best of it later. It answers for a time but where the best is expected why not give every detail the best care? A sod cutter set deep will flay off the turf at a uniform depth and when this is placed on the wagon you have no fine soil along with it. Instead of dumping it and having horses and wagons drive over it the sod should be handed out and placed on a good heap with the grass side down, there to remain until wanted. All this takes too much time, some will say,—yes, but time well spent and it will repay in the end. The location of the heap should be considered. Get it as near to its destination as you can. Close proximity is out of the question at times, as a sod heap is not the most ornamental thing to have around. Make provision so that there is room on all four sides of the heap for at least two feet of loose straw manure to be added later, which will keep out the frost; otherwise all work will be stopped during the winter months.

CLUBS AND SOCIETIES

AMERICAN ROSE SOCIETY.

The Executive Committee of the American Rose Society will hold a meeting on September 10th, at the office of Vice-President Traendly, New York City. The purpose of this meeting is to prepare a schedule for cut blooms to be shown at the National Flower Show in the Rose Division next March. The list for plants is already issued. The Rose Show at Boston was a marked feature and in New York there are some millions of people living within the radius of the suburban lines which center in or near the building where the exhibition will be held.

Last June we were at Lake Mohonk Mountain House, Mohonk Lake, Ulster County, New York. While there we viewed a sight of roses the like of which the writer certainly never had beheld out in the open ground. Mrs. Daniel Smiley says of the varieties growing there:

"Considering every quality, the abundance of bloom, the strength of stem and the plant generally, and the frequency of bloom, in fact, everything that goes to make up a desirable rose both for cut flowers and landscape effect, we have it in the Mrs. John Laing rose.

Paul Neyron is a great dependence; both of these roses are perfect in this climate. The Grus an Teplitz being such a remarkably clear red and not looking ugly when faded as many do, is another most valuable rose both for bedding and for cut flowers.

The Kaiserin we value very highly, and the Frau Karl Druschki cannot be excelled. None of these roses that I have mentioned seem to be at all disturbed by any insects or mould or any other infesting in this climate.

Among some of the other roses that we have are the following: President Carnot, Ulrich Brunner, American Beauty, Alfred Colomb, Clio, Chlotilde Soupert, Caroline Testout, Celine Forestiere, Vicomtesse Folkestone, Hermosa, Killarney, Maman Cochet, Baroness Rothschild, Sweet Briars (one of which is Catherine Seyton), La France.

Fir high borders, the Rosa rugosa, both white and the red, we use in masses and for high backgrounds.

Under climbers we have: Wichuraiana, Baltimore Belle, Dorothy Perkins, Christine Wright, Climbing American Beauty, Pink Rambler, Baby Rambler."

In observing the growth and care of home door yards during the past several weeks, it is noticeable the number of single rose bushes and climbers that are to be found.

BENJAMIN HAMMOND,
Secretary.

FLORISTS' CLUB OF PHILADELPHIA.

The September meeting of the above club was interesting chiefly because of the presence of the S. A. F. president-elect, John Farquhar. The scheduled features—the reports from the convention—were not unusual, and developed no sensational episodes. Mr. Farenwald gave a talk on his European trip. Mr. Farquhar made a fine speech. Every Philadelphian is pledged to the great show in New York. Of course, there was an exhibit of dahlias. No engineer has yet invented the clamp that can keep Peacock from blowing up in September; and there were others. Next meeting will be nomination night. The talk is all for J. Otto Thilow for another term for president; can't let him go yet. As-

tonishing how he has wound around us that past year. Arthur Niessen has not yet announced the leading feature for the October meeting, but we expect to hear from him in a few days.

FLORISTS' CLUB OF WASHINGTON

The September meeting of the Florists' Club of Washington, held on Tuesday evening last was well attended. Walter Kimmel, chairman, reported on the very successful excursion held in July. He also spoke of the field day to be held at Potomac Heights at which the prizes which were to have been distributed at the outing would be offered. Arrangements are to be made for the giving in October of a lecture by a well known rose grower of Oak Grove, Pa., on the growing of roses in Germany, combination of colors, etc., illustrated



MRS. FRANK H. TRAENDLY.

President-Elect Ladies' Society of American Florists.

by stereopticon views. Regarding the William R. Smith memorial Mr. Gude spoke on what had been accomplished at the Chicago convention and on the contributions already received for this purpose. Talking along convention lines he recommended that thought be given to the proposition of sending a bowling team from this city to Minneapolis, Minn., in 1913, and further started the talk going toward the holding of the 1914 convention in the National Capital. After adjournment a buffet luncheon was enjoyed.

CLUB AND SOCIETY NOTES.

Birmingham, Ala. A movement is on foot for the organization of a local florists' society in this city.

The Cincinnati Florist Society meets on next Monday evening at the club rooms in the Flower Market.

The opening meeting of the Gardeners' and Florists' Club of Boston for the season of 1912-1913, will take place on Tuesday evening, September 17. J.

K. M. L. Farquhar will give a talk on his visit to The Royal International Horticultural Exhibition in London, with stereopticon slides.

The fall exhibition of the St. Catharines (Ont.) Horticultural Society will take place in the Armory, September 12 and 13.

The St. Louis Florist Club will hold its monthly meeting on Thursday afternoon, September 12, in Odd Fellows' Hall. Secretary Beneke is preparing notices to all members to be sure and attend so as to give a fitting send-off to the retiring officers and a cheering one to the new ones who will be installed.

GROWERS WANTED FOR NATIONAL FLOWER SHOW.

Certain European growers of bulbs, rhododendrons and flower seeds are anxious to connect with some florist in the neighborhood of New York to force their products and have them in good shape to be exhibited at the National Flower Show, early in April, 1913, it being obviously impossible to bring such stock as bulbs into flower in Holland or England and then transport them in that condition next year.

If any florist is willing to take up this matter will they please advise me how many they will be able to handle and at what price? I will then put them in communication with the parties interested.

Aside from the financial consideration, I trust some florist will feel interested enough to undertake this work as it is the desire of the European seed and bulb men to show some of the very latest and best novelties in their respective lines.

CHAS. H. TOTTY,
Chairman National Flower Show Committee.

THE BRUGES INTERNATIONAL EXHIBITION.

The big exhibition of the Royal Horticultural Society at Bruges, Belgium, opened on August 11. Orchids, cut flowers and the more delicate exhibits were staged in the municipal buildings, but the plants were displayed in the large market square, forming a gorgeous picture of cannas, zonal pelargoniums, hydrangeas, fuchsias, tuberous begonias, etc., with groups and borders of gigantic bay trees and palms. At night the scene was brilliantly illuminated. The show remained open for one week.

The exhibits were mainly by the commercial growers, who abound in Belgium and the adjacent countries. Sander & Son were by far the largest exhibitors both in bay trees, pandanus, ferns and orchids, and this firm secured many awards also for new plants.

In palms, dracaenas, crotons, etc., Flandria & Co. were the leaders, but Sander was also a big factor in this class. Hydrangeas from De Conninck Dervae of Maldegem were very fine. Charlesworth & Co. were the only English exhibitors. Their display of orchids won a gold medal.

BRITISH HORTICULTURE.

The Sweet Pea Trials.

The National Sweet Pea Society has held duplicate trials in two centres this season. The various entries have been inspected by the Floral Committee of the Society. It was found that there was no extraordinary novelty to merit a silver medal, or even a first-class certificate. At the same time there were some excellent varieties which will come to the front in future exhibitions. Constance Hinton is a useful addition to the pure whites. King White is another welcome newcomer. This variety has received an award of merit, as did also the following: Decorator, rich cerise red; Agriola, a blending of mauve and rose; R. F. Felton, lilac suffused with French gray; Bertrand Deal, rose mauve; Lady Miller, pale cream, flushed with apricot.

Gladiolus Show.

The second summer show of the National Gladiolus Society was held in London, on August 13th. Both as regards numbers and quality the show was a decided advance on that of last year. Kelway & Son took the first prize in the class for 24 varieties. The excellent specimens included: Parody, Duke of Buccleuch, Prince of Orange, Duke of Richmond, and King of Gladioli. Wilhelm Pfitzer, Stuttgart, Germany, in the same class obtained a silver gilt medal, and also a silver cup for a new primrose yellow seedling. E. E. Stewart, of Rives, Mich., U. S. A., gained a silver gilt medal for a new salmon-pink seedling. The silver cup for the best collection of gladioli was carried off by Kelway & Son, who likewise had the first for the best yellow spike (Golden Measure) and a silver trophy for the best white spike. Wilhelm Pfitzer headed the list with a group of late flowering varieties. Frank Banning, Kinsman, Ohio, U. S. A., was first for the best pink (Panama), H. H. Grogg, Canada, being second with Evolution Perfection. W. H. ADSETT.

WHERE THE CREDIT BELONGS.

Editor of HORTICULTURE:

Dear Sir:—Your Philadelphia correspondent, page 317 of the current issue, gives me credit in a matter to which I am not entitled. He refers to the reduction in postage rates on seeds, plants, and bulbs.

It may be interesting to your readers to know that fourth-class matter was created (it is alleged, and I believe with truth) at the instance of the express companies in 1875. The committee which secured the putting back of seeds, plants, and bulbs into the third class, at the rate of one cent for each two ounces, or fraction thereof, was composed of Messrs. Peter Henderson, Robert Craig, and John N. May, to the best of my knowledge and belief. Your correspondent probably had in mind the concession obtained from the express companies on the same class of goods, by the committee of which I was a member. In this connection I wish to say that the concession made by the express companies would never have been obtained but for the fact that the postage rate was used as a leverage to obtain it. Yours truly,

PATRICK O'MARA.

WASHINGTON NOTES.

The old Globe Building at 339 Pennsylvania avenue, N. W., has been leased by the Department of Agriculture for use as a distributing depot for the seeds annually sent out by Congressmen to their constituents.

The army worm which has reached Washington has been successful in devastating quite a number of this city's finest lawns. The gardens of the State, War and Navy Building were badly damaged, also the lawn surrounding the White House. A concoction made of one pound of paris green and fifty pounds of wheat bran mixed with a little molasses has been found to be successful in killing this worm, but in using this concoction it must be remembered that song birds and poultry are likely to be poisoned by eating the bugs killed by this method.

Considerable interest was manifested in the automobile parade held here on Labor Day, although not by the owners of commercial cars. There were some 300 cars in line, some decorated and some not. Gude Bros. entered three of their machines, one covered with white cloth and artistically decorated with American Beauty roses and butterflies set off by various greens and Asparagus Sprengerii. This latter car won first prize of \$150. The car which brought second money was decorated in the shape of a house of colonial architecture with the windows draped with vines, panels set with flowers on either side and boxes of growing plants at each window. Clematis paniculata and red dahlias were used. In the fourth prize exhibit goldenrod formed the main part of the decoration, together with gladioli, oak leaves and ferns.

OBITUARY.

Stephen Delbar.

Stephen Delbar, a well-known florist and gardener of 40 Olive street, Hartford, Conn., died suddenly on August 24, from heart disease.

James X. Devine.

After a long illness James X. Devine died Sept. 3, at the home of his parents in Newport, R. I. He was 26 years of age, an electrician by trade, and a son of Patrick Devine, who is gardener for Mr. Pembroke Jones. The deceased was unmarried and when at home was much interested in the large garden under his father's charge.

GREENHOUSES BUILDING OR CONTEMPLATED.

Carbondale, Pa.—Mrs. Turnbull, one house.

St. Joseph, Mo.—Mt. Mora Cemetery, one house.

New Bedford, Mass.—W. H. Davenport, house 12 x 45.

New Castle, Pa.—Wemschenck & George, two houses.

Farmington, Utah.—Miller Floral Co., range of houses.

Pontiac, Mich.—Mrs. L. C. Lewis, two houses each 22 x 80.

Kansas City, Mo.—Linwood Floral & Nursery Co., one house.

Cincinnati, O.—Harry Goetz, Winona Road, house to cost \$3,500.

AT DREER'S.

Every Johnson must have his Boswell—if the world is going to hear the truth about things. So horticulture's Boswell went along on the 2nd inst. and did his best to listen to what Mr. Farquhar, who went along, too, had to say, and to enjoy the ride to Locust Farm about six miles back from Riverton in company with that prince of perennial men, Harry Sim. Harry Sim is one of the best "hardy perennial" men of the country; J. D. Eisele says so and he is a pretty good judge. What he told us about the first year's growth of delphiniums as compared with the second year; what pointers he gave us on the peony—their first year and their second year—and the cost; the same about the phlox and the dahlia, would fill a book and could only be got at first hand. The soil at Locust Farm is not so extra, but it is far superior to the soft sandy proposition at Riverview and Riverton, so we do not blame Dreers for moving over. The iris does finely at Locust, so does the phlox and the peony and in fact, nearly all the important subjects. They have some pretty good gladioli. All the latest varieties are being given a good test. The fierce rain storm of the night before had ruined the appearance of the cannas so that Mr. Michel was in despair as to showing the best results in the newer varieties. One never can tell from a hurried visit. One variety that may look droopy and bashed up today may look entirely different tomorrow. You have to stay with them to find out. That's why we are so respectful to the lads who do that and who by their daily experience correct the hurried judgment of the casual looker on. In this connection we want to caution the average reader. How can anyone tell from a one-day look? Still, from these solemn judgments many of the fallacies in our business have their origin. The writers have far more to answer for than they think.

GEORGE C. WATSON.

NEW YORK NOTES.

H. A. Barnard, representing Stuart Low & Co., of Bush Hill Park, England, has arrived on his annual American trip. His New York address is at the Hotel Albert.

J. McHutchison and T. B. Meehan returned last week from Europe. They boarded the steamship Oceanic at Cherbourg and had hardly been aboard an hour when Mr. Meehan had the misfortune to slip and in falling broke a knee cap. On reaching New York he was conveyed directly to his home and, from the latest report, is progressing satisfactorily. Mr. McHutchison is well pleased with the looks of European stocks, which he says are exceptionally fine this season.

A very fine display of gladioli was on view in the Museum Building, Bronx Park, on August 31st and September 1st. The weather was dull, cold and showery—consequently the attendance was very limited. Competition was not very keen, but the quality of the flowers throughout was excellent and the colors were as a rule superb, far exceeding expectations for what is now rather the end of the season. The classes for montbretias did not fill, there being only one exhibit.

MIGNONETTE--Farquhar's Universal

One of the finest MIGNONETTES for the greenhouse, producing immense flowers. Spikes of reddish green, sweetly scented.

The seed we are offering was raised for us under glass and saved from selected spikes.

Packet \$1

R. & J. FARQUHAR & CO., 6 & 7 South Market St., Boston, Mass.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse
Products for Florists

**PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS
PLANTS, EVERGREENS, ROSES, RHODODENDRONS,
VINES AND CLIMBERS, AUTUMN BULBS
AND ROOTS, CONIFERS, PINES**

Florists are always welcome visitors to our Nurseries. We are only a few minutes from New York City; Carlton Hill Station is the second stop on Main Line of Erie Railroad.

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Nurserymen and Florists

Rutherford, N. J.



W. B. WHITTIER & CO.,
SOUTH FRAMINGHAM . . MASS.
GROWERS OF HIGH GRADE NURSERY STOCK
LARGE ASSORTMENT
WRITE FOR PRICES BEFORE ORDERING ELSEWHERE

Strawberry Plants

POT GROWN. Extra Strong, any quantity, any variety. Order early and have your plants selected for July delivery.

Bulbs for Forcing

BEDDING AND NATURALIZING. We have made arrangements with the leading growers to have our bulbs specially selected.

Write for List and Reserve Your Order

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200 Broadway, NEW YORK CITY

W. E. MAYNARD

Manager Sales Department
157-159 William Street (Basement)

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and Descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Her-
baceous Plants.

P. OUWERKERK,

216 Jane St., Weehawken Heights
P. O. No. 1, Hoboken, N. J.

Nursery Stock

Fruit and Ornamental Trees, Shrubs,
Small Fruits, Clematis, Evergreens
and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

THIS PRICE WILL FETCH YOU

5,000 YOUNG PALMS

2-inch Pots. FORSTERIANA,
BELMOREANA.

\$30.00 Per 1,000

Good, thrifty, young plants, in perfect condition. This price ought to sell them quick. Every plant guaranteed. Also:—

500 ft. 4-in. cast iron pipe, in good order. Will close out cheap. No reasonable offer refused. Also:—

A big Burnham sectional Boiler; been used two years; cost \$650; will sell for \$250. In perfect condition. No defects of any kind; has not been used anywhere near full capacity. Change of plans only reason for selling.

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ENGINEERS, CONTRACTORS AND NURSERYMEN

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Nurseries, Cannon Station, Conn.

General Landscape Construction, Road Building,
Drainage Systems, Water Supply, Planting.

LOECHNER & CO.

JAPANESE LILIES
LILY OF THE VALLEY PIPS
PALMS, AZALEAS, &c

11 Warren Street, New York, N. Y.

Write for quotations

BOOM YOUR FALL BUSINESS

by advertising your goods in the

Horticulture

Publicity among the kind of readers reached
by this paper is THE SORT OF PUBLI-
CITY THAT PAYS.

ENFORCEMENT OF FEDERAL
PLANT QUARANTINE
LAW.

By an act of Congress approved by the President on August 20, 1912, entitled "An act to regulate the importation of nursery stock and other plants and plant products," etc., the Secretary of Agriculture is authorized and directed to quarantine any State, Territory, or District of the United States, or any portion thereof, when he shall determine the fact that a dangerous plant disease or insect infestation new or not heretofore widely prevalent in the United States, exists in such State, Territory, or District. Before promulgating his determination that it is necessary to institute such a quarantine, he shall give a public hearing, at which any interested party may appear and be heard either in person or by attorney.

The Secretary of Agriculture is further directed to prohibit the importation into the United States of any class of nursery stock, fruits, vegetables, roots, etc., whenever he shall determine that such prohibition is necessary to prevent the introduction into the United States of any tree, plant or fruit disease, or insect infestation, new or not widely prevalent within the United States. Before issuing his proclamation to this effect, he is directed, as in the case of quarantine against a State, to give a public hearing to any interested parties who may wish to appear in person or by attorney.

There is imminent danger of the introduction into the United States at the present time of two dangerous plant diseases and one insect known to cause great damage in other countries. One fungus disease the white pine blister rust injures four important species of pine in practically all European countries. It is a fungus disease and would be a most undesirable importation into the United States if it be brought here, as it is liable to be on imported nursery stock. It would cause enormous damage to coniferous forests.

Another fungus disease which is a menace to American agriculture is the potato disease known as potato wart, potato canker, black scab, etc., caused by a fungus which, in advanced stages of the disease, utilizes every particle of food in the tuber and reduces it to a brownish black soft mass of a very unpleasant putrid odor. The disease occurs in many parts of Europe and in several islands not far from the Atlantic coast of the United States.

The menacing insect pest is the Mediterranean fruit fly, an insect which is tolerably well described by its name, and which is now known to be established in the Hawaiian Islands.

To prevent these undesirable immigrants from entering the United States, the Secretary of Agriculture proposes to exercise the power vested in him by the new law and declare a quarantine against the Territory of Hawaii in the case of the Mediterranean fruit fly, and also to prohibit the importation from Great Britain, France, Belgium, Holland, Denmark, Norway, Sweden, Russia, Germany, Austria, Switzerland, and Italy of four species of pines and their horticultural forms liable to introduce the white pine blister rust, namely, white

pine (*Pinus strobus*), Western white pine (*Pinus monticola*), sugar pine (*Pinus Lambertiana*), and stone or cembrian pine (*Pinus Cembra*). The importation of potatoes that may bring the potato wart disease from Newfoundland and the islands of St. Pierre and Miquelon, and from Great Britain, including England, Scotland, Wales and Ireland, and from Germany and Austria-Hungary will also be prohibited.

In compliance with the law, however, he will, before issuing his quarantine proclamations, give public hearings to persons interested who may appear in person or by attorney, or submit their views in writing. Announcement is hereby made that these hearings will be held as follows:

On the white pine blister rust, September 16, 1912.

On the Mediterranean fruit fly, September 18, 1912.

On the potato wart disease, September 20, 1912.

All hearings will be held at the Department of Agriculture, Washington, D. C., at 10 o'clock A. M., on the dates above specified.

Photographs illustrating the three dangers above mentioned can be obtained upon application to the Chief of the Division of Publications, Department of Agriculture, Washington, D. C.

Important to Importers of Nursery Stock, Field-Grown Florists' Stock, Etc.

The new act, H. R. 24119, goes into effect on October 1, 1912. Following is the form of application which must be filled out for permit for each separate importation:

FORM OF APPLICATION FOR PERMIT TO IMPORT NURSERY STOCK.

United States Department of Agriculture. Federal Horticultural Board. Washington, D. C.

To the Secretary of Agriculture, Washington, D. C.

Sir:—I respectfully request that a permit be issued for the importation of nursery stock, as follows:

Quantity.	General Nature.	Age or Height.
.....	Fruit trees.....	.....
.....	Fruit tree stocks.....	.....
.....	Grape vines.....	.....
.....	Bush fruits.....	.....
.....	Roses.....	.....
.....	Rose stocks.....	.....
.....	Forest and ornamental deciduous trees.....	.....
.....	Ornamental deciduous shrubs.....	.....
.....	Coniferous evergreen trees*.....	.....
.....	Evergreen trees other than conifers.....	.....
.....	Evergreen shrubs other than conifers.....	.....
.....	Stocks, cuttings or seedlings not otherwise specified.....	.....

Country and district where grown.....

Name and address of shipper.....

Port of entry.....

Approximate date of arrival.....

Name of importer.....

Name of consignee.....

Destination.....

Very respectfully,

..... Name
..... Address

Application may be made by telegraph when information above requested should be given.

*Excluded are *Pinus Strobus*, *Pinus Monticola*, *Pinus Lambertiana* and *Pinus Cembra*, because of white blister rust.

The term "nursery stock" shall include

Horseshoe Brand Lily Bulbs

The crops of all early forcing lily bulbs of good quality are very short this year, owing to a lack of rain at the proper time. At such times many bulbs of inferior quality find a ready sale in the market. Those who want good lily bulbs should therefore not delay a day in placing their orders. The following are the revised prices for Horseshoe Brand bulbs, the best produced in the World. Immediate delivery.

LILIUM FORMOSUM.

Excellent stock—extra in size and quality.

Size	6/8 in.	\$20.00 per case of 400 bulbs.
"	7/9 in.	22.50 per case of 300 bulbs.
"	8/10 in.	22.50 per case of 250 bulbs.
"	9/10 in.	22.00 per case of 200 bulbs.
"	9/11 in.	19.80 per case of 180 bulbs.
"	10/11 in.	18.00 per case of 150 bulbs.
"	11/13 in.	13.00 per case of 120 bulbs.

We advise early orders—very limited stock.

LILIUM GIGANTEUM—(to arrive soon).

Size	6/8 in.	\$16.00 per case of 400 bulbs.
"	7/8 in.	16.00 per case of 350 bulbs.
"	7/9 in.	16.00 per case of 300 bulbs.
"	8/10 in.	22.50 per case of 250 bulbs.
"	9/10 in.	22.00 per case of 200 bulbs.
"	9/11 in.	21.60 per case of 180 bulbs.
"	10/11 in.	22.50 per case of 150 bulbs.
"	11/13 in.	24.00 per case of 120 bulbs.

The above Giganteum are from the finest fields in Japan. Prices on Auratum, Rubrum, Magnificum, Album, etc., etc., upon application.

FRENCH BULBS.

From the celebrated fields of Mart'at Bremond, world's largest grower of French Bulbs.

WRITE FOR PRICES

on Paper White Grandiflora, French Trumpet Majors and Freesias, if interested.

Prices are F. O. B. New York City, duty paid, terms three months or 2 per cent. ten days. A special discount of 5 per cent. will be granted only when cash accompanies the order.

Write for the Book of Bulbology.



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Import for the wholesale trade:
AZALEAS, PALMS, RHODODENDRONS,
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AND JAPAN BULBS, LILY OF THE
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all field-grown florists' stock, trees, shrubs, vines, cuttings, grafts, scions, buds or other parts of a woody nature, fruit pits and other seeds of fruit and ornamental trees or shrubs, and other plants and plant products for propagation, except field. Vegetable and flower seeds, bedding plants and other herbaceous plants, bulbs and roots. Field grown florists' stock, as mentioned above, includes all plants grown outside of greenhouses, hotbeds or cold frames covered with glass, except herbaceous perennial bedding plants, such as geraniums, carnations, pansies, etc., bulbs, tubers and corms.

INCORPORATED.

Passaic, N. J.—Passaic Flower Co., capital stock \$10,000.

Quincy, Ill.—Eber Seed Company, capital stock \$15,000.

HEADQUARTERS FOR FREESIAS

FISCHER'S STRAIN PURITY

	100	1000
FIRST SIZE BULBS	\$1.75	\$16.00
MAMMOTH BULBS	2.50	22.50

BERMUDA WHITE

	100	1000
FIRST SIZE BULBS	\$0.85	\$7.50
MAMMOTH BULBS	1.00	9.00

MICHELL'S STOCK PURITY

	100	1000
FIRST SIZE BULBS	\$1.25	\$11.00
MAMMOTH BULBS	2.25	20.00

CALIFORNIA GROWN

	100	1000
FIRST SIZE BULBS	\$0.65	\$5.00
MAMMOTH BULBS	.85	7.50

LILIUM HARRISII—MICHELL'S SPECIAL BRAND

5 TO 7 INCHES, 400 BULBS TO CASE	100	1000
6 TO 7 INCHES, 335 BULBS TO CASE	\$4.75	\$44.00
	6.00	55.00

[Our Wholesale Catalogue of Bulbs, Seeds and Florists Sundries Mailed Free.]

HENRY F. MICHELL CO. 518 MARKET STREET **PHILADELPHIA**

Seed Trade

The Florida Seed Co. succeeds R. M. Oglesby at Bartow, Fla.

It is reported that Rickards Bros., New York, have gone out of business.

Galloway Bros. Co. are building a seed warehouse at Waterloo, Ia., to cost about \$15,000.

Everett R. Peacock Seed Company have opened business as dealers in the onion set business in Chicago.

A. E. Brown, treasurer of the Burpee seed house, sailed on the S. S. Cleveland of the Hamburg-American line from New York on Thursday the 5th inst., on a vacation trip.

CATALOGUES RECEIVED.

Peter Henderson & Co., New York—Wheat, Grasses, etc., for Fall Sowing.

E. Neubert, Wandsbeck, Germany—Wholesale Catalogue of Bulbs and Decorative Plants.

P. Hamilton Goodsell, New York, N. Y.—Autumn Catalogue of Bulbs and Roots for Fall Planting. A newcomer and thoroughly up-to-date. Send for one.

Sutton & Sons, Reading, England—Sutton's Bulbs for 1912. A superb catalogue profusely illustrated and typographically unexcelled. Cover shows tulips in sepia tint.

Loechner & Co., New York City, who are sole agents for the United States for the sale of the Improved and Pedigreed Seed Grain of Svalof, Sweden, have issued a wholesale price

J. M. Thornburn & Co., New York, N. Y.—Bulbs for 1912. One hundred and ten years established and like Johnnie Walker, "still going strong"—the name of Thornburn gives this catalogue assurance of a careful perusal. And it's worth it.

Palisades Nurseries, Sparkill, N. Y.—Palisades Popular Perennials. "Hardy gardens made for the busy man," is the slogan of this instructive publication. It will furnish valuable ideas to anyone interested in hardy gardening, and who is not?

list of these Swedish grain specialties which the seed trade of America will find exceedingly interesting. The selection and improvement work by which these strains have been developed has been going on for 26 years and over 15,000 acres are now under cultivation for seed purposes.

PATENTS GRANTED.

- 1,036,578. Weed Digger. Richard R. Damoude, Plainview, Minn.
 1,036,909. Process of Making Fertilizers. Ludwig Saarbach, New York, N. Y.
 1,035,980. Protective Apparatus for Orchards, Gardens, and the like. George A. Lowry, Malden, Mass.

LARGE CROP OF CHINESE NARCISSUS.

In connection with the generally splendid crops in the immediate vicinity of Amoy this year, Vice-Consul Charles F. Brissel reports that the production of narcissus bulbs has greatly increased, so that bulbs which in former years sold for about \$8.25 (gold) to \$9.40 per 1,000 bulbs in Amoy, this year are selling for \$6 to \$7 per 1,000 bulbs. The district of Chang Chow, about 30 miles from Amoy, grows practically all of these bulbs, and it is said to be the only section of China which produces bulbs of such excellence.

Newcastle, Pa.—Peterson & Engestron have purchased the greenhouses of Fischer Bros.

CALLAS

High-Grade — Sand-Grown Bulbs — Free from Disease
California's Best.

1¼-inch.....	\$30.00 per 1000	1¾-inch.....	\$65.00 per 1000
1½-inch.....	50.00 per 1000	2-inch.....	85.00 per 1000
Monster Bulbs.....\$12.00 per 100			

MacRORIE-McLAREN COMPANY

711-714 Westbank Bldg., SAN FRANCISCO, CAL. Nurseries, SAN MATEO, CAL.

Oats

Barley

Wheat

Swedish Specialties

Grown Under Government Control by the
The General Swedish Seed Co.
SVALOF, SWEDEN

Descriptive pamphlet, prices and samples on application
SOLE AGENTS:

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New York

Oats

Barley

Wheat

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

OFFICE
109 BROAD STREET
NEW YORK
Phone 242 Broad

THEO. FICKE TRUCKMAN

Established 1890

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844 WASHINGTON ST.
NEW YORK
Phone 1508 Chelsea

**Special Attention Given to Import Freight
Accounts in or out of Town Solicited**

Thorburn's Seeds

Asparagus Plumosus Nanus

NEW CROP NOW READY.

Per 1000 seeds, \$1.50; 5000 and up @
\$1.25 per 1000.

NEW CROP BERGLINDEN STRAIN

CYCLAMEN GIGANTEUM SEED
JUST RECEIVED

PRICES IN OUR BULB CATALOGUE

MUSHROOM SPAWN

New Crop English and American Bricks
WRITE FOR PRICES

**BULB CATALOGUE NOW READY — SEND
FOR A COPY**

J. M. THORBURN & CO.

39 Barclay Street, - NEW YORK

TOMATO SEED

BEST STOCKS. ALL VARIETIES.

The Haven Seed Co.

Growers for Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

POINSETTIAS 2 1-2 in. strong, \$5 per 100 ;
\$45 per 1000

CYCLAMEN SEED the celebrated English
strain, \$9 per 1000

PANSY SEED, home-grown, finest giant
strain. \$5 per oz.
Send for Catalogue.

S. S. SKOELSKY & CO.

1215 Betz Bldg. Philadelphia.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulas, &c.

THOMAS J. GREY CO.

32 South Market Street, Boston. Mass.

BULBS and HARDY PLANTS

Contracts made for Seed Growing

Send for price list

E. S. MILLER, WADING RIVER, N. Y.



...THE...
J. C. Robinson Seed Co.

Waterloo, Neb.
Rocky Ford, Colo.

Contract growers of Cucumber, Can-
talupe, Watermelon, Squash and
Pumpkin Seed; Sugar, Flint and
Field Seed Corns.

Place Your Order Now For
**AYRES' WINTER FLOWERING
SWEET PEA SEED**

For Fall Delivery

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

Sunnyslope

Independence, Mo.

J. BOLGIANO & SON

WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

Write For Our Low Prices

**LIGHT, PRATT and ELLICOTT STS.
BALTIMORE, MD.**

FRENCH AND DUTCH BULBS

Ask for prices

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

PRINTING

Fruitmen, Horticultur-
ists, and Poultrymen
should get their print-
ing done by specialists. Write for prices
to THE REX CO., Harrisburg, Pa.

PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds }

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

Write for Prices

Vick Quality Bulbs

Early Kinds Now Ready for Shipment

EARLY ROMAN HYACINTHS,
\$2.25 per C.; \$21.00 per M.

NARCISSUS, PAPER WHITE.
\$1.00 per C.; \$8.75 per M.

CANDIDUM LILIES, Choice Bulbs,
\$4.50 per C.; \$38.00 per M.

Ask for Wholesale Catalogue

JAMES VICK'S SONS

ROCHESTER, N. Y.

White Callas

Monster size bulbs, 2½ in. and up
\$2.00 per dozen, \$15.00 per 100.

WEEBER & DON

Seed Merchants and Growers,
114 Chambers Street, New York City

Oklahoma Seed Growers Co.

Contract Growers of

Watermelon and Muskmelon Seeds

for the Wholesale Trade only

Enid - - Oklahoma

BULBS

For Fall Planting

Price List for the Asking

The W. W. Barnard Co.

231-235 W. Madison St., CHICAGO

Burpee's Seeds

PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.

Florists' Telegraph Delivery

(Retailers' Section—S. A. F. & O. H.)

Mutual discounts, 20 per cent.
Write for particulars to

Provision for guaranteed accounts.

ALBERT POCHELON, Secretary, 153 Bates Street, Detroit, Mich.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH

Cor. Michigan Ave. and 31st St.,
CHICAGO, ILL.

(Member Florists' Telegraph Delivery Asso.)
We ship to all points in Illinois and Iowa.
Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

Member of the Florists' Telegraph Delivery.
All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE

Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

GEORGE M. STUMPP

761 Fifth Ave., Cor. E 58th St.

NEW YORK CITY

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Asso.

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

Of Interest to Retail Florists

NEW FLOWER STORES.

West Toledo, O.—H. Turbey, 126 Phillips avenue.

Milwaukee, Wis.—Fietch Bros., 575 National avenue.

Reading, Pa.—Bears & Palm, 9 North Second street.

Kansas City, Mo.—Star Floral Company, 7½ West 12th street.

Louisville, Ky.—Koehnlein & Hoffman, 2005 West Market street.

Indianapolis, Ind.—Hill, Lemon & Heller Co. Raymond Kester will be in charge.

STEAMER DEPARTURES

Allan.

Parisian, Boston-Glasgow....Sept. 13

American.

New York, N. Y.-S'hampton....Sept. 14

St. Paul, N. Y.-S'hampton....Sept. 21

Atlantic Transport.

Minneapolis, N. Y.-London....Sept. 14

Minnetonka, N. Y.-London....Sept. 21

Cunard.

Mauretania, N. Y.-Liverpool....Sept. 11

Laconia, Boston-Liverpool....Sept. 17

Lusitania, N. Y.-Liverpool....Sept. 18

Saxonia, N. Y.-Mediter'n....Sept. 19

Hamburg-American.

Victoria, N. Y.-Hamb'g....Sept. 12

Pres. Grant, N. Y.-Hamburg....Sept. 18

Amerika, N. Y.-Hamburg....Sept. 19

Hamburg, N. Y.-Hamburg....Sept. 21

Holland-America.

Ryndam, N. Y.-Rotterdam....Sept. 10

Rotterdam, N. Y.-Rotterdam....Sept. 17

Leyland.

Devonian, Boston-Liverpool....Sept. 14

Winifredian, Boston-Liverpool....Sept. 21

North German Lloyd.

Kronp. Cecilie, N. Y.-Brem'n....Sept. 10

G. Kurfuerst, N. Y.-Bremen....Sept. 12

Prinz's Irene, N. Y.-Medit'n....Sept. 14

Kronp. Wilh'm, N. Y.-B'm'n....Sept. 17

Fr. der Grosse, N. Y.-B'm'n....Sept. 19

Red Star.

Kronland, N. Y.-Antwerp....Sept. 14

Finland, N. Y.-Antwerp....Sept. 21

White Star.

Cymric, Boston-Liverpool....Sept. 19

Celtic, N. Y.-Liverpool....Sept. 12

Majestic, N. Y.-S'hampton....Sept. 14

Cretic, Boston-Medit'er'n....Sept. 14

Adriatic, N. Y.-Liverpool....Sept. 19

NEWS NOTES.

Sharon, Pa.—Fischer & Schieck succeed I. O. Bryan in the florist business here.

Washington, Pa.—Murray C. King has taken the store recently occupied by E. C. Dunn, 60 South Main street.

Flower Deliveries in

ROCHESTER, N. Y.

Salter Bros

38 MAIN STREET, WEST.

IRWIN BERTERMANN, Indianapolis, Pres.
W. F. GUDE, Washington, Vice-President.
W. L. ROCK, Treasurer, Kansas City.

OTHER DIRECTORS:

Ernst Wienhoeber, Philip Breitmeyer, A.
B. Cartledge, George Asmus, Fred H. Meinhardt, J. A. Valentine.

Bates Street, Detroit, Mich.

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571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

*Cost of Cabling Foreign Deliveries
Must be Prepaid*

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

BROOKLYN—NEW YORK

Wilson

3 & 5 Green Ave.
Tel. 6800 Prospect

337-347 Green Av.
Tel. 3908 Prospect

THE ROSERY

76 MAIDEN LANE

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

Hatcher

Estab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

Established 1874

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardspier.

LOUISVILLE, KY.

JACOB SCHULZ,
550 South Fourth Ave.

Member Florists' Telegraph Delivery.



Less Ice With Better Results

The McCray System of Refrigeration, which insures a perfect circulation of cool, dry air, will not only reduce your ice bills, but will keep your stock in the best condition — fresh, fragrant and attractive.

McCray Refrigerators

Are made so as to display your flowers to the best advantage. They can be lined with white enamel, opal glass, tile, mirrors or marble to suit your convenience. Write for our beautiful Free Catalog No. 72, which shows refrigerators for florists, both stock and built-to-order, in all sizes and styles.

McCray Refrigerator Co.

353 LAKE STREET

KENDALLVILLE, IND.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

BOSTON'S BEST
In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
191 Boylston Street. BOSTON.

CARBONE

Member Florists' Telegraph Delivery
342 Boylston St., Boston

Vases, Garden Furniture, Art Goods and New Designs in Tuscany Baskets for Florists' Use, in Wholesale Department.

H. F. A. Lange

WORCESTER, - MASS.

Deliveries to all Points in New England.
125,000 square feet of glass.

FOR NEWPORT

Narragansett Pier and All Other Rhode Island Points

Transfer Your Orders to

GIBSON BROTHERS

36 WASHINGTON SQUARE, - - - NEWPORT, R. I.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists Telegraph Delivery

PROVIDENCE, R. I.

and all T. J. JOHNSTON & CO.

New England Points 171 Weybosset Street, Providence

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.

Tel. Wellesley 44-1 and 2. Night 44-3.

Of Interest to Retail Florists

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosary, 76 Maiden Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.

Boston—Penn, the Florist, 37-43 Bromfield St.

Boston—Julius A. Zinn, 1 Park St.

Boston—Philip L. Carbone, 342 Boylston St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons.

Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Indianapolis, Ind.—Florists' Telegraph Deliveries, 241 Massachusetts Ave.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Washington Sq.

New York—George M. Stumpp, 761 Fifth Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

Providence, R. I.—T. J. Johnston & Co., 171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main St., West.

Rochester, N. Y.—J. B. Keller & Sons, 25 Clinton Ave., N.

St. Paul—Holm & Olson, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F. St.

Wellesley, Mass.—Tailby.

Worcester, Mass.—H. F. A. Lange.

FLOWERS BY TELEGRAPH
SAN FRANCISCO
CALIFORNIA
Pelicano, Rossi & Co.
123 KEARNY ST.

BOSTON, MASS.

Penn the Florist

"Penn, The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET



WASHINGTON,
D. C.

GUDE'S

Member Florists' Telegraph Delivery.

Chicago.

A. LANGE,

25 E. MADISON ST.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - - TORONTO, ONT.

The California Florist

JULIUS EPPSTEIN — FRANK H. FORREST

211-216 Geary Street, SAN FRANCISCO
and Hotel St. Francis, CALIF.

We cover the entire Pacific Coast and West of the Rockies. Wire us for all the latest and the Orient. Regular Trade Discount.



DID YOU SEE IT?

OUR exhibit during the Convention of the Society of American Florists at the Coliseum, August 20-23 was the only one of its kind awarded a

CERTIFICATE OF MERIT

The Mechanically Cooled Refrigerator was the first ever exhibited at a Florists' convention.

BRECHT'S FLORISTS' REFRIGERATORS ALWAYS RECEIVE HIGHEST AWARDS

Write for catalog.

Established 1853

The Brecht Company

Main Offices and Factories: 1216 Cass Ave., ST. LOUIS, MO.

NEW YORK CITY

DENVER

SAN FRANCISCO

CHICAGO NOTES.

The Retailers.

Special advertising in the daily papers by the local florists has about ceased, the demand being so unusually light this summer. The retailers generally report a lighter summer trade than for many years. Some of our well known members of the trade are showing a good example at the opening of the fall season. Two weddings are booked, one on Sept. 4th and the other later in the month.

Canger & Gormley's new store in the Fine Arts Building on Michigan avenue, is receiving the finishing touches and it will be one of the finest in the down town district. The sales-room on the main floor is handsomely fitted up and is supplemented by a work room four times its size in a light basement. This room has wall cases on all sides and everything is finished in mission style.

Trade Notes.

Andy McAdams, one of the south side's oldest florists, is about to retire from active management and W. La Grotta will assume charge.

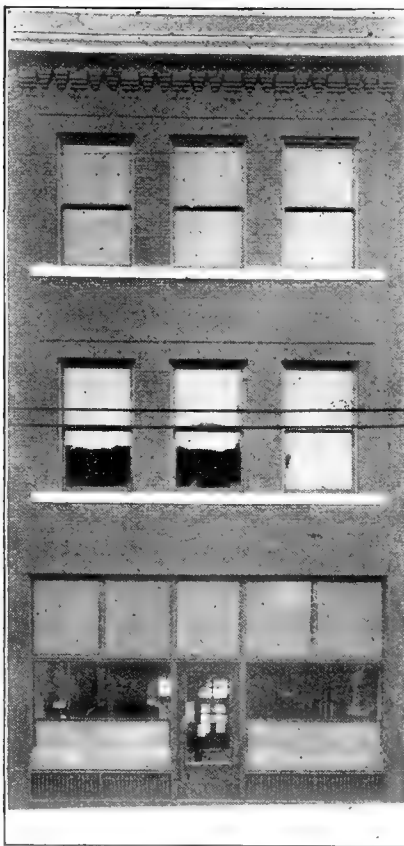
It is stated on good authority that there will be about \$2,500 to return to the generous contributors to the convention expenses. The distribution will be made pro rata.

Poehlmann Bros. Co. are cutting a few dozen cattleyas now and their plants give promise of a full crop in the near future. Some dendrobiums are also coming on at this time and of fine quality.

Labor Day brought an agreeable surprise to many of the florists in the shape of a brisk trade. After one of the duller weeks in the history of the market, Sept. 2nd kept all hands busy past the noon hour.

P. J. Foley and Philip, Jr., spent the week end at Lake Geneva. Since the convention all the salesmen of the Foley Mfg. Co. have been kept busy looking after the business resulting from their exhibit at the convention.

George Schwing has been very successful in growing nymphs and they find ready market here. His Schwing's hybrids are excellent and though he follows the occupation of a market gardener rather than that of florist, he is the only one in this vicinity to



THE C. A. KUEHN BUILDING

grow these flowers for commercial purposes.

Personal.

J. W. Breakey, 3907 Cottage Grove avenue, has nearly recovered from a long illness from blood poisoning.

Mr. and Mrs. Frank Oechslein put in the week following the convention in an auto trip to the famous Lake Geneva resorts.

Mrs. A. Mosely of Kansas City, Kas., spent a week visiting relatives after the convention and also in seeing some of the large greenhouse establishments about Chicago. She returned home Aug. 31st, making the

trip in company with Miss Franc Hancock, who will teach the coming year at Pittsburg, Kas.

Tom Fogarty begins this week a more eventful vacation than any heretofore, for during it Miss Hertha Tonner will become his bride. Mr. Fogarty has been buyer for O. Friedman for many years and Miss Tonner is well known as doing a successful wholesale commission business in the Atlas Block. They will live at 53rd and Wallace street, Austin.

Henry Kruchten and Rose Parker were married Wednesday, Sept. 4th, at the home of the groom's brother, John Kruchten, 5058 N. Western avenue, Chicago, the ceremony taking place at 4 o'clock in the presence of the family only. They will live at Leavitt street and Wilson avenue. The florists of the Atlas Block and the express boys presented a handsome set of silver. HORTICULTURE extends congratulations.

ST. LOUIS NOTES.

We are to have a new wholesale cut flower and supply house to be known as Windler Company. They are to open up on Monday, September 16. The officers will be: Albert J. Windler, president; Frank A. Windler, vice-president and treasurer; A. W. Gunez, secretary. A. J. Windler has never been identified with the flower business, although well known through his brothers, who are local florists. Frank A. Windler, his brother, was until a week ago vice-president of the W. C. Smith Wholesale Floral Co., well-known and much-liked in local trade circles. A. W. Gunez has been connected for the past five years with Geo. H. Angermuller and a favorite with many buyers in the wholesale district. All three are young men of good habits and business qualities. The new house will be located at 1310 Pine street, where they will have a large roomy store all on the ground floor.

After the 16th of this month all the wholesale houses will again go back to the old closing hours. The employees enjoyed the early closing hours very much during the hot months.

The McCray Refrigerator Company are installing through their local rep-

"THE" FLORISTS' SUPPLY HOUSE OF AMERICA

THE HIGHEST AWARDS

Ever given to a Florists Supply House by the Society of American Florists were given to the Exhibits of H. Bayersdorfer & Co., "The" Florists Supply House of America.

1 Certificate of Merit 2 Honorable Mention 3 Highly Commended

These being the highest awards the Society can give and covering our

New French Baskets. Gun Metal Tone Ware. Chariot of Peace. New Decorative Ferns

The Bayersdorfer exhibit was a stunner and demonstrated once again that Bayersdorfer leads the country in Florists Supplies.

LET'S GET ACQUAINTED

Send for "Our Silent Salesman" a handsomely illustrated book of everything in Florists' Supplies. Drop a postal today. Get acquainted. It will pay you.

H. BAYERSDORFER & CO.

THE FLORISTS' SUPPLY HOUSE OF AMERICA

1129 ARCH STREET - - - PHILADELPHIA, PA.



TWO VIEWS OF C. A. KUEHN'S NEW STORE AT ST. LOUIS, MO.

representative, the Standard Scale and Fixture Co., one of her largest retail refrigerators in the city for the Mulanphy Florist Co.'s new store. The box is all in white, 20 feet wide, 8 feet high and 14½ feet deep.

The Brecht Company of this city have put in a large refrigerator for George Waldbart and also one for the Metropolitan Floral Co., the latter to be used for a show window box. Both are costly and attractive ornaments of well-kept floral establishments. These two places have undergone great alterations this summer and are now ready for the season to open.

Visitors: Chas S. Ford, Philadelphia, Pa.; Martin Reukauf, representing H. Bayersdorfer & Co., Philadel-

phia, Pa.; E. H. Morichard, representing S. S. Pennock-Meehan Co., Philadelphia, Pa.; S. Seligman, New York City.

NEWS NOTES.

Berkeley, Cal.—W. H. Wolters of the Ashby Nursery, 2906 Ellsworth street, has opened an office and sales yard in the center of the city for the purpose of selling general nursery stock.

Cincinnati, Ohio—The Hill-Heller store at 531-532 Race street opened on Tuesday. The store is a very pretty one. The opening window displays of assorted plants were good and drew the attention of many shoppers.

PHILADELPHIA NOTES.

All of the handsome photographs of floral pieces shown by F. C. W. Brown at the Chicago Convention can be had from M. Rice & Co., Philadelphia, Pa., who have the exclusive control of this valuable art collection of 150 subjects, each one a gem.

W. S. Lawrence and his son, Charles Lawrence, of Atlanta, Ga., were visitors to the "House of Rice" last week and were entertained at the summer home of B. Eschner at Elkins Park.

Visitors: Will Rehder, Wilmington, N. C.; Mrs. John Wolf, Savannah, Ga.; John K. M. L. Farquhar, Boston, Mass.; George Weinhoeber, Chicago, Ill.; David Quinn, Brookline, Mass.

BEAUTIES

\$1.00-\$3.00 per Doz.

Better Beauties than you will generally find during the summer months. A large supply of the medium sizes selling from 6 to 12 cts.

The Leo Niessen Co.

WHOLESALE FLORISTS
N. W. Corner
12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR
FLORIST'S
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST. BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

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33-35-37 RANDOLPH STREET,

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CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	BOSTON September 5		CHICAGO September 3		ST. LOUIS September 3		PHILA September 3	
Am. Beauty, Fancy and Special....	15.00	to 25.00	20.00	to 25.00	15.00	to 25.00	15.00	to 20.00
“ “ Extra.....	10.00	to 15.00	15.00	to 20.00	.....	to 10.00	.....	to 12.00
“ “ No. 1.....	6.00	to 8.00	10.00	to 15.00	.....	to 8.00	.....	to 8.00
“ “ Lower Grades.....	1.00	to 4.00	3.00	to 6.00	3.00	to 4.00	2.00	to 4.00
Killarney, Richmond.....	.50	to 5.00	3.00	to 6.00	.....	to 5.00	1.00	to 5.00
My Maryland, Kaiserin, Carnot....	.50	to 6.00	2.00	to 8.00	.....	to 1.00	to 5.00	
Bride, Maid.....	.50	to 4.00	6.00	to 8.00	3.00	to 4.00	1.00	to 3.00
Taft, Hillingdon, Ward.....	.50	to 5.00	4.00	to 5.00	.....	to 1.00	to 6.00	
CARNATIONS.....	.50	to 1.50	1.50	to 2.00	1.00	to 1.50	1.00	to 2.00
MISCELLANEOUS								
Cattleyas.....	50.00	to 75.00	50.00	to 60.00	40.00	to 50.00	60.00	to 75.00
Lilies, Longiflorum.....	4.00	to 6.00	5.00	to 6.00	6.00	to 8.00	6.00	to 8.00
“ “ Speciosum.....	.....	to 3.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Lily of the Valley.....	2.00	to 3.00	2.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Gladioli.....	1.00	to 2.00	2.00	to 3.00	1.50	to 5.00	1.00	to 4.00
Asters.....	.15	to 1.00	1.00	to 2.00	1.00	to 3.00	.75	to 2.00
Daisies.....	.....	to .50	.25	to .50	.15	to .35	.....	to 1.00
Sweet Peas.....	.15	to .50	.30	to .50	.15	to .25	.25	to .50
Gardenias.....	.....	to 25.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Adiantum.....	.....	to 1.00	.75	to 1.00	1.00	to 1.25	.....	to 1.00
Smilax.....	8.00	to 12.00	15.00	to 20.00	12.00	to 15.00	8.00	to 12.00
Asparagus Plumosus, Strings (100)	to 50.00	40.00	to 60.00	35.00	to 50.00	to 35.00
“ “ & Spreng. (100 Bchs.)	25.00	to 50.00	25.00	to 50.00	15.00	to 25.00	to 35.00

J. A. BUDLONG

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OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

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30 East Randolph Street,

CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE.,

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AND LAKE STREETS,

CHICAGO

Flower Market Reports

BOSTON Business is good, particularly so in the early part of the week, for which the opening of a big new department store may fairly be credited in a considerable degree. American Beauty roses were the beneficiaries in this great event and so the local growers were hardly "in it," as the majority of the Beauties used in Boston are purchased in outside markets. Many thousands were used. Asters, the finest on record, are in great plenitude and prices are not what they should be for such elegant blooms. Sweet peas are almost out of the running. Gladioli have never been finer. Small roses are plentiful and the price is not quotable. Lily of the valley has been selling well, but a sudden drop is now in evidence. Lilies are excellent in quality, but limited as to demand. Carnations are not yet in the running as a commercial proposition.

CHICAGO The market during the last week of August was most unsatisfactory, a surplus of everything except cattleyas being found at nearly every place. The almost complete cessation of trade was partly due to the fact that many Chicago people are still at their summer homes and partly on account of the extremely hot weather the latter half of the week. Beauties and other roses shared the same fate as asters and gladioli and it was a relief when stock began to shorten up. September opens with a very marked increase in sales and quality of stock is good considering the hot weather of a week ago. Carnations are few and on short stems and are not an important factor in the market. *Lilium auratum* have been plentiful till the present time but the supply is now limited. Out-of-door hydrangeas are being cut, but aside from these there are few miscellaneous outdoor flowers. Lily of the valley is said by Phil. Schup to be in good demand and of first class quality for the season. Green of all kinds seems plentiful. September 2, the wholesale houses went back to their old time of closing, six o'clock.

There are plenty of blooms of every kind to be had, but all do not possess the requisite quality. In some cases the stock never had it, but in most of them it was there originally, but was spoiled by careless packing. These statements refer principally to asters. A good many come in in splendid condition and, with the exception of white, are more than sufficient for requirement, but many are so badly bruised when they arrive that to move them they must be sacrificed at half or less than half their proper price. Some, too, are bunched carelessly as to sizes and grades. Of other stock there is enough for the demand in fancy, let alone the shorter or cull stock. The Beauties are still a "best seller," and clean up fairly well. Only the best and longest of the other roses sell. The small sales in the shorter stock has caused quite an accumulation in the rose line. In gladioli the fancy light shades sell best. Dark and smaller stock find an exceedingly slow market. Lilies sell up and are holding up to a fair price.

A MAGNIFICENT LOT OF FIELD GROWN CARNATION PLANTS



The Dorothy Gordon and Ros. Pink Enchantress are exceptionally fine, strong plants. Our guarantee goes with every carnation plant we send out, thus insuring to you the very best of quality and satisfaction.

	10	10.00
COMFORT	\$5.00	\$7.00
BEACON	8.00	70.00
HARLOWARDEN	6.00	50.00
WHITE PERFECTION	8.00	70.00
WHITE WONDER	9.00	85.00
ALMA WARD	8.00	70.00
GLORIOSA	9.00	85.00
MRS. C. W. WARD	8.00	75.00
WASHINGTON	10.00	90.00
ENCHANTRESS	7.50	60.00
ROSE PINK ENCHANTRESS	6.00	70.00
PRINCESS CHARMING	10.00	
DOROTHY GORDON	7.00	60.00
WINONA	7.00	60.00
BROOKLYN	12.00	100.00
QUEEN	5.00	40.00
BOSTON MARKET	5.00	40.00

NEW AND STANDARD ROSES Extra Large, Very Choice Stock

OWN ROOT, 3 inch:	100	1000
White Killarney	\$5.00	\$70.00
Double Pink Killarney	8.00	70.00
Pink Killarney	8.00	70.00
Killarney Queen	12.00	100.00
Double White Killarney	15.00	100.00
GRAFTED, 3 inch:	100	1000
White Killarney	15.00	120.00
Double White Killarney	20.00	150.00
Killarney Queen	20.00	150.00

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NEW YORK
117 W. 28th St.

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	CINCINNATI September 3	DETROIT August 27	BUFFALO September 3	PITTSBURGH September 3
Am. Beauty, Fancy and Special	15.00 to 25.00	20.00 to 25.00	15.00 to 20.00	20.00 to 25.00
" Extra	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00	12.50 to 15.00
" No. 1	6.00 to 10.00	12.00 to 15.00	6.00 to 10.00	6.00 to 8.00
" Lower Grades	3.00 to 6.00	4.00 to 10.00	2.00 to 4.00	2.00 to 4.00
Killarney, Richmond	2.00 to 6.00	3.00 to 6.00	..... to	3.00 to 8.00
My Maryland, Kaiserin, Carnot	2.00 to 6.00	3.00 to 6.00	..... to .....	..... to
Bride, Maid	2.00 to 4.00	3.00 to 6.00	2.00 to 6.00	..... to
Taft, Hillingdon, Ward	2.00 to 6.00	3.00 to 6.00	3.00 to 4.00	2.00 to 2.00
CARNATIONS	1.00 to 1.50	1.00 to 2.50	1.00 to 2.00	..... to 2.00
MISCELLANEOUS				
Cattleyas .....	..... to .....	..... to	40.00 to 50.00	50.00 to 60.00
Lilies, Longiflorum	8.00 to 10.00	10.00 to 15.00	7.00 to 10.00	..... to 10.00
" Speciosum	2.00 to 4.00	..... to	3.00 to 4.00	..... to 4.00
Lily of the Valley .....	..... to	3.00 to 4.00	1.00 to 2.00	..... to 4.00
Gladioli	1.00 to 3.00	1.50 to 4.00	1.00 to 2.50	2.00 to 5.00
Asters .....	.50 to 2.00	1.00 to 2.00	.50 to 1.50	.50 to 1.00
Daisies .....	..... to .....	..... to .....	..... to .....	..... to
Sweet Peas .....	..... to .....	..... to .....	.25 to .50	..... to
Gardenias .....	..... to .....	..... to .....	..... to .....	..... to
Adiantum .....	..... to 1.00	1.00 to 1.50	.50 to 1.00	1.00 to 1.25
Smilax	10.00 to 12.50	..... to 15.00	..... to 15.00	..... to 15.00
Asparagus Plumous, Strigs (too)	40.00 to 50.00	15.00 to 25.00	40.00 to 50.00	30.00 to 50.00
" & Spreng. (too bchs.)	25.00 to 35.00	15.00 to 25.00	25.00 to 50.00	15.00 to 25.00

With the exception of a slight flurry on memorial flowers consequent to the passing away of some prominent citizens, the past week has seen no improvement on the previous dull and lifeless conditions. The aster crop is still very large and a big amount of stock has remained unsold—anything the least bit under grade being passed by without even a nod of inquiry. Gladioli are still very good and meet with a fair demand at moderate prices. Roses

are more plentiful and outside of white have been a little draggy. Cattleyas still very scarce; the next one due is the labiata, which will be available in about ten days and will relieve the tension. The gardenia market has tightened up very considerably from the low-water mark previously reported. Dahlias are arriving in moderate quantity, but the bulk of them are being held back until the flush of the aster crop is over. Altogether the market may be called as dull and fea-

Continued on p. 4.

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A Full Line of ALL CUT FLOWERS.
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Ample reference furnished as to standing and financial ability of the company.
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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Tel. 759 55 W. 28th St., New York
Mad. Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Aug. 31 1912		First Half of Week beginning Sep. 2 1912	
American Beauty, Fancy and Special	10.00	to 20.00	10.00	to 20.00
" " Extra	6.00	to 12.00	6.00	to 12.00
" " No. 1	4.00	to 5.00	4.00	to 5.00
" " Lower Grades .....	.25	to 2.00	.25	to 2.00
Killarney, Richmond .....	.25	to 3.00	.25	to 3.00
My Maryland, Kaiserin, Carnot .....	.25	to 3.00	.25	to 4.00
Bride, Maid	1.00	to 2.00	1.00	to 2.00
Taft, Hillingdon, Ward .....	.25	to 3.00	.25	to 4.00
Carnations .....	.50	to 1.00	.50	to 1.00

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones {1664} {1666} Madison Square
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TRAENDLY & SCHENCK
Wholesale Florists
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46 West 26th St., New York
Telephone, Madison Square 8510
Also 15 Province St., 9 Chapman Place
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Manufactured by
W. J. COWEE, Berlin, N. Y.
10,000...\$1.75. 50,000...\$7.50. Sample free
For sale by dealers



WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED
226 Devonshire Street,

Boston, Mass.

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

Flower Market Reports

(Continued from page 357)

tureless as could be expected at this season, and it gives the enthusiastic reporter a cramp in the leg to talk about it.

NEW YORK

There is practically no change in the market since last report.

While the supply is still plentiful the demand, except for a spasmodic sprint now and again, is very slack. Generally speaking, stocks have fallen off somewhat in quality, this being especially noticeable with Bride and 'Maid roses and gladioli, but some extra fine spikes of the latter have been selling at 3c. Orchids are scarce, also gardenias, but we have had quite a few chrysanthemums of fair quality this week.

The market remains in the same old rut as it has been all during the past month; weather very hot and business dull. The market has been overloaded with cut stock of all kinds and prices on the down-grade. The prices are based on the amount of stock you buy, but in less than 100 lots they remain as quoted last week. Killarney roses have been coming in great lots. All outdoor stock, such as asters, gladioli, tuberose, etc., are still in more than the demand calls for. August has been a very dull month for the florists.

WASHINGTON

In no summer in the years past were flowers more plentiful than at the present time. Some very fine specimens of the new cut American Beauty roses are now coming in and Queen Beatrice is in fine shape. Carnations are coming along much better and there are enough lily of the valley, gardenias and orchids to fill all demands. Asters are about at their height and the public markets are overburdened with them. A large proportion of these go to waste, but those that are being sold are materially hurting the sale of the higher priced flowers. Due to the fact that Congress remained in session so long, business has kept up very well.

The Boston Co-operative Flower Market had a good sale of stalls on Saturday, August 31, at their market on Park street. W. W. Tailby wielded the hammer in accustomed persuasive manner and the sale netted somewhat better than last year, which was the banner year thus far. The outlook for a prosperous year was never better.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Aug. 31 1912		First Half of Week beginning Sep. 2 1912	
Cattleyas	35.00	to 75.00	35.00	to 75.00
Lilies, Longiflorum	3.00	to 4.00	3.00	to 4.00
" Speciosum	1.00	to 3.00	1.00	to 3.00
Lily of the Valley	1.00	to 3.00	1.00	to 3.00
Gladioli.....	.50	to 3.00	.50	to 3.00
Asters.....	.10	to 1.50	.10	to 1.50
Daisies.....	.50	to 1.00	.50	to 1.00
Sweet Peas (per 100 bunches).....	.....	.....	1.00	to 2.00
Gardenias.....	.....	.....	15.00	to 20.00
Adiantum.....	.50	to .75	.50	to .75
Smilax	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus , strings.....	.....	35.00	.....	35.00
& Spren (100 bunches).....	8.00	to 12.00	8.00	to 12.00

PERSONAL.

Lewis Wells succeeds John Lindblom as manager of the Hope Greenhouses, Providence, R. I.

Ernest Hemming of Germantown, Pa., succeeds the late Prof. John Craig as editor of the National Nurseryman.

Charles H. Maynard of Allen, Mich., has taken the position of traveling representative for the United Fertilizer Company of Chicago.

George Cartwright, manager of the Boston Flower Exchange, goes on a well-earned but brief vacation on Saturday, the 7th inst. Rochester and Niagara Falls are on his itinerary.

J. K. Alexander of East Bridgewater, E. W. Ela of Woburn, L. M. Bates of Brockton, and J. H. Flint of Salem, Mass., dahlia zealots, were guests of G. L. Stillman, Westerly, R. I., on August 27, and had a big time.

Boston visitors: R. M. Ward, New York City; D. MacRorie and A. J. Rossi, San Francisco, Cal; Mr. and Mrs. Andrew Wilson, Madison, N. J.; Mr. and Mrs. Julius Epstein, San Francisco, Cal.; John Dunbar, Rochester, N. Y.; J. Otto Thilow, of Dreer's, Phila.

Cincinnati visitors: Alpha Elberfeld of Alpha Floral Co., Kansas City, Mo., and Milton Alexander of New York City.

PUBLICATIONS RECEIVED.

American Association of Nurserymen. Proceedings of the 37th Annual Convention, held at Boston, Mass., June 12-14, 1912. A full record of the discussions, lectures and addresses, together with a list of members and other useful matter are comprised in the 100 pages of this very practical publication.

NEWS NOTES.

Scranton, Pa.—John W. Beagle has purchased the Marvin Greenhouses on Capouse avenue.

The Boston Flower Exchange, Inc., had their annual sale of choice of stalls at the market in Park street, on Saturday, August 31st. It was a success in every way and the salesroom was thronged with a big enthusiastic crowd of growers. The regular auctioneer, Mr. Carroll, was unable to officiate on account of sickness, so President Stickel acted as substitute under a special license and thoroughly amazed his old friends by his proficiency in this new roll. The highest price paid was \$195.00 by John J. Fee, which is the record figure up to date for choice of stall.

HARDY CUT FERNS FANCY and DAGGER

Galax, Boxwood, Laurel
Roping, Wild Smilax, etc.

Hartford & McDonough
70 PEMBERTON SQ., BOSTON

MICHIGAN CUT FLOWER EXCHANGE, Inc.

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Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

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To Close for Cleaning Pool, 20% for Cash With Order.

Water hyacinths, the oddest, most beautiful and valuable plants; extra strong, in the finest condition; \$5.00—100, \$35.00—1000; second grade, \$3.00—100, \$18.00—1000. Blooming water hyacinths make leaders at 25c. retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

ARACARIAS.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

Frank Oechslin, Chicago, Ill.
Asparagus Plumosus.

For page see List of Advertisers.

B. Soltan Fernery, Jersey City, N. J.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

Asparagus plumosus, 2½ in. pots, at \$4.00 per 100. Ruxton Floral and Nursery Co., Ruxton, Md.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Loechner & Co., New York, N. Y.
For page see List of Advertisers.

BAY TREES

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

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Begonia Lorraine, \$12.00 per 100; \$50.00 per 500. Julius Roehrs Co., Rutherford, N. J.

BOXWOOD TREES

Bobbink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees, all sizes. Ask for special list.

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Kroeschell Bros. Co., 468 Erie St., Chicago.
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BOXES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BULBS AND TUBERS

Arthur T. Boddington, New York, N. Y.
For page see List of Advertisers.

Joseph Breck & Sons, 47-54 N. Market St., Boston.

French and Dutch Bulbs.
For page see List of Advertisers.

BULBS AND TUBERS—Continued

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
Harrisii Bulbs.

For page see List of Advertisers.

Ralph M. Ward & Co., 71 Murray St., New York.

Horseshoe Brand Lilies.

For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I.
For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.

E. S. Miller, Wading River, N. Y.
For page see List of Advertisers.

W. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

Weeber & Don, New York, N. Y.
For page see List of Advertisers.

P. H. Goodsell, New York, N. Y.
For page see List of Advertisers.

Bulbs of all descriptions. Write for prices.
C. Keur & Sons, Hillegom, Holland.
New York Branch, 31-33 Broadway.

CAMPANULA

Campanula medium, 2½ in. pots, fine for growing for Easter, \$3.00 per 100. Cash.
A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

CAPE JASMINE

Cape Jasmine, fine cuttings, 8 inch and over, ready for rooting; 100 \$1.00, 1000 \$8.00, prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

Charles H. Totty, Madison, N. J.
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F. Dörner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.
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George Peters & Sons, Hempstead, N. Y.
Field-Grown Carnation Plants.

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B. G. Merritt & Co., Grange, Md.
Field-Grown Carnations.

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Field Grown Carnations, White and Pink Enchantress, Perfection, Winsor, Fenn, Queen, Lawson, \$6.00 per 100. Cash. Chas. H. Green, Spencer, Mass.

Field-grown carnation plants. Clean, healthy and strong plants. 1175 W. Enchantress, 1100 White Perfection, 1370 R. P. Enchantress, 770 Enchantress, 210 Dorothy Gordon, 225 Beacon, 50 O. P. Bassett, 6c. 550 Winsor, 5c. Cash. Atwell, Florist, Fort Dodge, Iowa.

CARNATION AND CHRYSANTHEMUM

Williams, Utica, N. Y.
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CELERY PLANTS

Strong transplanted Giant Pascal, Giant Golden Heart, Winter Queen, 25c. per 100; \$2.00 per 1000 Bryn Mawr Florist Co., Yonkers, N. Y.

CHRISTMAS FLOWERING SWEET PEAS

Arthur T. Boddington, New York, N. Y.
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CHRYSANTHEMUMS

R. J. Irwin, New York, N. Y.
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CHRYSANTHEMUMS (Rooted Cuttings). 500 Smith's Advance, \$2.50 per 100. 500 each Touset, Ivory, Donatella, Yellow Jones, 2500 Robt. Halliday, Mrs. Hurley and Baby, 8000 J. Rosette, \$15.00 per 1000. Cash with order.

William Swayne, Kennett Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANTHEMUM, THE. By A. Herrington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 160 pages. Price 50 cents.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
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R. J. Irwin, New York, N. Y.
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Cyclamens, 3-inch pots, \$10.00 per 100; \$80.00 per 1000. Julius Roehrs Co., Rutherford, N. J.

CYPERUS

Cyperus alternifolius, 3½ in. pots, very bushy and compact, \$8.00 per 100. Cash. A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

DAHLIAS

R. Vincent, Jr., & Sons Co., White Marsh, Md.
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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.
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DEUTZIA

Deutzia gracilis, specially grown for Easter forcing, very bushy, \$15.00 per 100. Cash. A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

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DOUBLE CLAW HAMMER

Double Claw Hammer Co., Brooklyn, N. Y.
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DRACAENAS

Dracaena indivisa, 5 in., pot-grown, ready for repotting, excellent value, \$25.00 per 100. Cash. A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

EVERGREENS

Bobbink & Atkins, Rutherford, N. J.
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United Fertilizer Co., Chicago, Ill.
Evergreen Brand Fertilizer.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

DOUBLE FARM CROPS. By restoring soil fertility with Shell-Marl Land-Lime, Wood Ashes Substitute, Ground Phosphate Rock, Basic Slag. Endorsed, recommended and used by experiment stations and leading farmers. Best results by applying in the fall. Send for catalogue. Vermont Marl Company, Brattleboro, Vermont.

FERNS

Henry A. Dreer, Inc., Phila., Pa.

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Joseph Heacock, Wyncote, Pa.
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Frank Oechalin, 4911 Quincy Street, Chicago.

Ferns for Dishes.
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McHutchison & Co., New York, N. Y.
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F. R. Pierson Co., Tarrytown-on-Hudson, New York.
Choice Ferns.
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B. Soltan Fernery, Jersey City, N. J.

Adiantum cuneatum, 4 in., \$8.00 per 100. Wm. Capstick, Auburndale, Mass.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Boston Ferns, fine stock, for 6 in., 25c.; for 4 in., 12c. Orders booked now for Boston and Whitman, young, \$20.00 per 100. Cash. A. E. Monroe, Wellesley Farms, Mass.

Fern runners, fine stock Boston, Whitman, Amerpohl, Springfield, \$1.80 per 100, \$15.00 per 1000. Roosevelt runners, very fine, \$6.00 per 100, \$50.00 per 1000. Roosevelt, 4-inch, \$15.00 per 100, 5-inch, \$25.00 per 100. Asparagus Plumosus, 4-inch, handsome stock, \$8.00 per 100. 50,000 sq. ft. of glass at Cleveland, O., devoted exclusively to ferns. I have the best stock to be had anywhere. Prices are low, for cash only. Schneider, Florist, Springfield, O.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

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Special Gladioli.

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Parshelsky Bros., Inc., 215-217 Havermeyer St., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLASS SASH

V. E. Reich, Brooklyn, N. Y.

Improved Double.
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GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.
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Florists' Hall Assn. of America.

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Hydrangea Otaksa.

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F. R. Pierson Co., Tarrytown-on-Hudson, New York.

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Hydrangea Otaksa, 4 inch, pot grown, at \$8.00 per hundred. Ivy, field grown, at \$6.00 per thousand. A. L. Miller, Brooklyn, N. Y.

In writing to Advertisers kindly mention Horticulture

INSECTICIDES

- Eastern Chemical Co., Boston, Mass.**
Imp. Soap Spray.
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- Stumpp & Walter Co., New York.**
Kilnlead Tobacco Dust.
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- Aphine Manufacturing Co., Madison, N. J.**
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"Tip Top" Tobacco Powder.
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- Benjamin Hammond, Fish-kill-on-Hudson, N. Y.**
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Nico-Fume.
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IRON GUTTER

- Metropolitan Material Co., Brooklyn, N. Y.**
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IVIES

- English Ivy, strong, at \$8.00 and \$12.00 per 100. C. Winterich, Defiance, O.

JAPANESE LILIES

- Loechner & Co., New York, N. Y.**
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- Fairfield Landscape & Nursery Co., New York, N. Y.**
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LILIAM HARRISH AND CANDIDUM.

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- Loechner & Co., New York, N. Y.**
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LILIUM FORMOSA AND GIGANTEUM.

- R. M. Ward & Co., New York, N. Y.**
Horse Shoe Brand.
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MARGUERITES

- Unrooted Alexandra marguerites, \$1.00 per 100. Winter flowering yellow marguerites, the right kind: unrooted, \$2.00 per 100; rooted, \$4.00 per 100. Cash. A. E. Monroe, Wellesley Farms, Mass.

MASTICA.

- F. O. Pierce Co., New York, N. Y.**
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- J. M. Thorburn & Co., New York, N. Y.**
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NARCISSUS BULBS

- 50,000 Poeticus (Pheasant's Eye), \$1.25 1000. E. W. Plater, Carbondale, Ill.

NICO-FUME

- Kentucky Tobacco Product Co., Louisville, Ky.**
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NURSERY STOCK

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- Charles E. Frankenbach & Sons, Southampton, N. Y.**
Shrubs for Fall Planting.
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- Manual of the Trees of North America,**
by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS.

- Ellwanger & Barry, Rochester, N. Y.**

ONION SETS

- Leonard Seed Co., Chicago, Ill.**
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Hybrid Orchids.
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- Sander, St. Albans, England.**
Importer, Exporter, Growers, Hybridists.
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ORCHID GROWERS' MANUAL.

- By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and Orchid Culture ever published. Price \$10.00.
Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PALMS, ETC.

- A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.**
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- Godfrey Aschmann, Philadelphia, Pa.**
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- Julius Wolff, Jr., Philadelphia, Pa.**
Young Palms.
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PANDANUS

- Pandanus utilis, 3½ in. pots, \$12.00 per 100. Cash. A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

PAPER POTS

- Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

- Siggers & Siggers, Washington, D. C.**
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PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago.**
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- A. T. Stearns Lumber Co., Boston, Mass.**
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PEONIES.

- Peonies. The world's greatest collection, 1200 sorts. Send for list. C. Betscher Canal Dover, O.

PEONIES—Continued

- Peonies—The best French collections. Catalogues free. Dessert, Peony Specialist, Chenonceaux, France.

- Peony roots, white, pink, red and yellow, \$3.00 per 100 and up. Send for list. Thomas J. Oberlin, Sinking Spring, Pa.

PHOENIX ROEBELINII

- B. Soltan Fernery, Jersey City, N. J.**
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- August Roiker & Sons, New York, N. Y.**
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PLANT TRELLISES AND STAKES

- Seele's Tiesless Plant Stakes and Trellises.** H. D. Seele & Sons, Elkhart, Ind.
- Plant Trellises and Stakes. P. A. Angier & Co., Westboro, Mass.

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- A Henderson & Co., Chicago, Ill.**
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POT HANGERS

- Pot hangers, Kramer's \$1 doz. by exp. \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

POULTRY AND FARM REVIEW

- The Rex Company, Harrisburg, Pa.**
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PRIMULAS

- Primula malacoides, 4 in. pots, at \$8.00 per 100; 2½ in. pots, at \$4.00 per 100. Primula obconica (best strain), 2½ in. pots, at \$3.00 per 100. Ruxton Floral and Nursery Co., Ruxton, Md.

PRINTING

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Wood Bros., Fishkill, N. Y.

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- 400 Radiance Roses, 4 in. pots, at \$10.00 per 100. 200 Golden Gate, 4 in. pots, at \$8.00 per 100. Ruxton Floral and Nursery Co., Ruxton, Md.

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ROTTED PEAT AND SPHAGNUM MOSS.

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Peas, Beans, Radish and all Garden Seeds.
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T. J. Grey Co., 32 So. Market St., Boston.
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Felix & Dykhuis, Boskoop, Holland.

Asparagus Plumosus Nanus seeds now
ready, per 1000, \$2.25; lots up to 5000, \$2.00
per 1000. Peter Mack, Box 172, Orlando,
Fla.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

STOVE PLANTS

Orchids—Largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

STRAWBERRY PLANTS

P. H. Goodsell, New York, N. Y.
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Fall Bearing Strawberry Plants, best
varieties. Catalogue free. Basil Perry,
Cool Spring, Delaware.

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VIOLETS.

Violets, Prince of Wales, strong, healthy,
field plants, \$6.00 per 100, \$55.00 per 1000.
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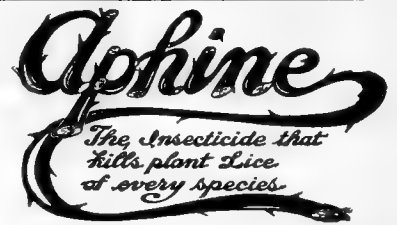
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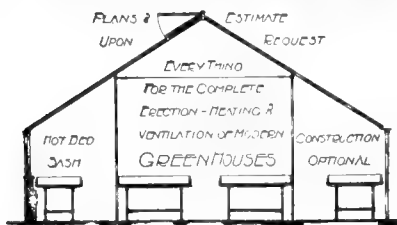
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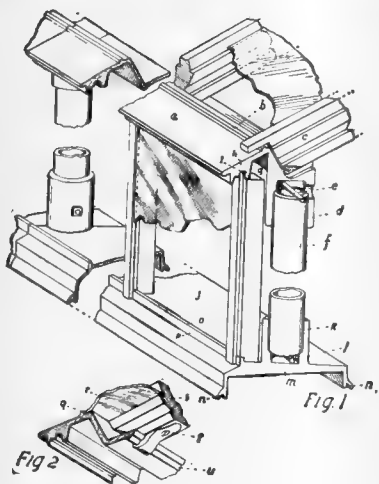


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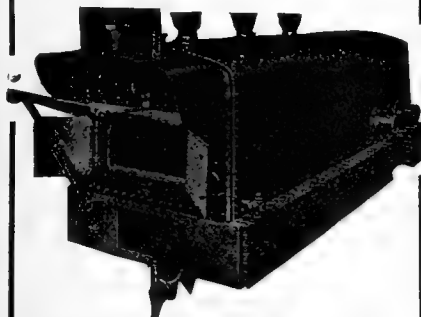
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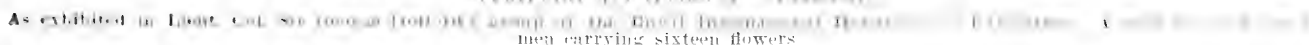


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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Carnations

Carnation plants should be given supports at once. It not only keeps them in a neat shape, but also from getting broken. The earliest planted houses will now be giving a fair crop of flowers, so disbudding will be in order. It is a good rule when you start cutting flowers to let feeding begin too. Give light mulches of soil and cow manure in equal parts. Apply a fair sprinkling of bone meal on the surface before the mulch is applied. Do not put these mulches on too deep; about half an inch will be enough. When the nights become cooler run a little fire heat through the pipes. Endeavor to maintain a night temperature of from 50 to 55 degrees and a rise to 65 or 70 degrees on all sunny days, but during cloudy weather 58 to 60 degrees will be about right. From now on see that the houses have abundance of fresh air whenever possible as carnations are great lovers of it. Fumigate once a week from now on which will be a sure preventive for fly and thrips.

Care of Smilax

The general routine of work connected with young smilax will be weeding, watering, ventilating and syringing. Keep the plants properly tied up to prevent tangling and it will save trouble later on. Syringe on all bright days, getting well under the foliage which will help the plants against insects, such as spider and thrips. Ventilate freely, but judiciously and a little heat in the pipes will be an advantage from this out. When the outside conditions allow, the temperature should be kept as near as possible to the right mark. They do well in a night temperature of 60 or 65 degrees, with 10 or 15 degrees higher with sun heat. On dark, rainy or misty weather about 5 or 8 degrees more than the night temperature will be enough. Where strings are well up they can be given a light mulch of well rotted cow manure and soil in equal parts. Before applying the mulch give the beds a dusting of fine bone.

Demorphanthea aurantiaca

This South African annual has increased in public favor on account of its rich orange flowers and its lasting qualities after being cut. Seed sown now will flower by January on. Make a compost of soil and leaf mold in equal parts and fill some 2½ or 3 inch pots; place about three seeds in each pot and keep shaded and moist until they begin to come up. Give them the coolest house you have at present. When they have filled these pots with roots you can shift them into a larger size. When the seedlings become strong thin out to one plant. To flower well they like a temperature of about 50 degrees at night. When you are ready, plant them out on a bench setting them a foot apart each way. Keep an even degree of moisture and syringe on all good days until the flowers begin to open. Every florist should grow a few because they are something different from the usual run and will take the eye of many a customer.

Hardy Phlox

In making a plantation of phlox work the ground fully 18 inches deep and do not be afraid of making it too rich. Give as much manure as you can dig down. The earlier you can plant it the better, after Sept. 20, as it will give the plants time to become well rooted before hard weather sets in. They should be set no closer than eighteen inches apart to do well. By a judicious selection of varieties a continuity of bloom can be had from June until freezing weather. It is well to grow a lot of the white and pink sorts as they come in handy for design work. Where you grow quite a lot in the field and wish to increase the stock lift a good number in about a month from now and heel them in a cold frame where they can be protected until January when you can bring them in and propagate for another year.

Oncidiums

Where these orchids have been in pits or cold frames they should now be removed to their winter quarters. Care must be taken never to let the compost remain dry on all such species as *Oncidium Forbesi*, *O. incurvum*, *O. ornithorynchum*, *O. splendidum*, *O. tigrinum* and *O. varicosum* Rogersi, from this out and up until they flower. Remove shading gradually now so that by the middle of October they will have full sun. Keep the floors and benches well damped so as to make a moist atmosphere. From this out it is better to have fire heat than to depend on shutting up houses early to retain heat, for these orchids should have plenty of ventilation without cold draughts, as the outside conditions will permit. Most oncidiums will do well in a temperature of 45 to 52 degrees at night with a rise of from 10 to 15 degrees with sun. By placing some in a temperature of 55 to 60 degrees at night they will bloom earlier, thereby making more of a succession.

Tulips

Get all tulips boxed up and put into pans as soon as received. Give them as good bulb compost as described in this column before. After they are planted place in a bulb cellar if you have one, or if not put them outside on a level piece of open ground, taking care when choosing that the water will pass off freely. Have the flats in straight rows and each kind by itself. Place a heavy wooden stake where each variety ends; this will make less trouble later on. A thorough watering should be given to each flat and when you are sure that they are wet through they can be covered with six inches of soil over all. If the weather is dry they should be examined once in awhile to see that they will not become dry. Among the best for forcing are *La Reine*, *Pottebakker*, *Cottage Maid*, *Couleur Cardinal*, *Vermilion Brilliant*. For early use *Duc Van Thol*, red and yellow, and *Belle Alliance*.

Mr. Farrell's next notes will be on the following: Poinsettias; Compost for Next Season's Supply; Cuttings of Vincas; Escallonia Amazonica for Christmas; Making a Lily Bed; Mignonette

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HORTICULTURE

VOL. XVI

SEPTEMBER 14, 1912

NO. 11

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

Per inch, 30 inches to page..... \$1.00

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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a business standpoint but we can congratulate the horticultural interests on the fact that this year appears to be an exception in this respect for it seems to be universally in the air that we have a busy and profitable season ahead of us. The greenhouse builders, plantmen, florists' supply dealers and others who tested out the feeling of the trade at the Chicago convention all have the same story to tell of buoyant confidence and optimism among the various sections of the trade to which they cater. Prospects so rosy beget enterprise and enthusiasm and there is abundant encouragement for everyone to do his best and to take fullest advantage of the opportunity.

Old ways and new

"Bumper crops" in all the great agricultural staples are generally given as one of the bases for the sanguine tone of the business world as to the season's prospects and undoubtedly this view is well-founded. But it will be well for all of us not to lose sight of the obligation that rests upon us individually to take advantage of the situation in a systematic and up-to-date manner if we are to profit by it, for the day has gone by forever when the flower grower or flower seller can reap fat returns from a business carried on in "any old way." The subjects which are more and more coming to the front among the far-seeing men who are the "live wires" of the clubs and societies interested in commercial horticulture—such as "overhead costs," "telegraph delivery," "modern publicity," etc.—are not fancies, fads or bugaboos but very real and very serious problems that vitally affect the fate of every individual in whatever branch of the business he may be employed and will force themselves more and more strongly into the foreground with each succeeding year. The business methods pursued will have more to do with the measure of success you win this season than bumper crops and "general prosperity." These things only furnish the field and the opportunity and the inspiration.

"A friend in need"

Already the sweet pea, so recently taken up for development by specialists, begins to suffer the inevitable penalty of high breeding and the grower who would attempt its culture on a large or small scale either outside or under glass must, if he expects to succeed, get informed on the various fungous and constitutional diseases that are liable to attack his crop and the best methods of preventing or conquering these troubles. The various state experiment stations are now equipped so that they can be of inestimable service in scientific investigation of plant ailments, ascertaining facts by methods far beyond the reach of the commercial grower and when an appeal is made for the assistance and co-operation of the grower, as in the call from Prof. Taubenhaus which appears in another page of this paper, the response should be willing and spontaneous so that he may have fullest access to all possible information bearing upon the research he is undertaking. This we hope our readers who have had any experience in sweet pea growing will do for Prof. Taubenhaus and with such co-operation we have no doubt that conclusions of much practical value will be determined and widely disseminated for the benefit of the grower.

Encouraging business outlook

As September slips along all thoughts will center on the business season now opening with so much of hopeful encouragement in the outlook. It has been the rule in the past to regard the year of a national election as an unpromising one from

During the few weeks' absence of our valued contributor on "Fruit and Vegetables Under Glass," George H. Penson, this department will be temporarily discontinued but we shall endeavor to fill the space with good matter until Mr. Penson's return when he will resume his pleasant relations with the readers of **HORTICULTURE**.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

The Liquid Manure Tank

Now is the time to look over your liquid manure tank and see that it is in a good condition. Do not allow water to stand in it and breed mosquitoes by the thousand; drain it and keep it dry. It will not hurt the tank—that is sure—and the place will be much better off with a few thousand less mosquitoes. Clear out all old manure from the tank and those little heaps that have accumulated around it. Remember, flies breed in manure, therefore if at all possible keep it in a screened shed. See that the pipes in the tank are all in good shape to stand the coming season's work. Where steam pipes are run into it to heat the water in the winter time see that they are not all eaten up by rust and falling to pieces. If such is the case now is the time to do the necessary repairing. Do not wait until you are ready to use the tank and then first think of making repairs.

Ventilation

With September come many fogs, chilly nights, hot days and usually about all the different kinds of weather there are. All this is very trying on the roses, and on the nerves of the grower. All that can be done is to have patience and take it as it comes. Do not water on foggy or cloudy days, unless it is absolutely necessary, and should this be the case be careful not to wet the bottom foliage of the plants any more than you can possibly help.

Also do not let the water run all over the walks, thus making the atmosphere in the house unnecessarily damp. This of course makes but little difference on clear days, but you will find you are nursing trouble if you are not careful how you handle the hose on cloudy days.

American Beauties are very apt to get spot, if watered much during cloudy weather. Look over the benches very carefully so as not to water if they appear to be wet. We usually try to "touch up" the dry spots in weather like that.

Brides and Bridesmaids

With the cool nights of September these two roses will improve a great deal in quality, the buds becoming larger and of better color. Benches of these that have already been mulched will not take quite so much water as the others. Keep the plants tied up, and yet be careful not to bunch them up too much or the plants will lose considerable foliage and this is none too good for the plants. Where these two teas are grown merely as a side line do not neglect keeping them clean and healthy, the same as you would your American Beauties, growing in the center benches.

Do not start running the houses cool as yet; and do not think of closing air down tight on nights when the thermometer drops down to 50 degrees F. outside. It is not for the best to allow the house to drop to 50 degrees at night when the day temperature runs up to 90 degrees or more. We like to keep our houses up to 64 degrees and to do so it has been necessary to use heat off and on almost all summer. Many would consider this a waste

of coal and labor but we find it pays well in the end and that is what really counts.

Outside Roses

These in some cases will be pretty well cut down and shy of foliage, but can now be brought around again to cut a nice crop before fall. A light frost seems to have but little effect on Killarneys. We have cut fairly nice blooms after several frosts had struck and destroyed all the more tender flowers. Syringe the plants over three or four times a day and they will soon break away. As soon as breaks show an application of cow manure should be given or if convenient a light dose of liquid every four or five days will do the plants worlds of good. When using liquid manure outside, always water the plants thoroughly with clear water first and then follow with liquid about an hour afterward. If liquid is applied direct and the plants happen to be a little dry, you may ruin them all.

The Iris as a Drought Resistant

We keep about 100,000 of these plants in 170 varieties, and I never saw, even in California, the land of flowers, or in Rochester, that great garden of delight, or on the rich estates of New England anything to compare with them in their glorious June splendor. But what impresses me most is their ability to withstand the fearful heat and prolonged drought of our western prairies. The summer just passed has been one of the hottest and driest known. Through May and the summer months we barely had one and one-half inch of rain a month. The mercury was often 100 and the hot winds blew like a blast of death and yet these heroic plants endured the trying climate with unflinching fortitude. August is a good time to dig and ship and we have been sending them everywhere, from California to North Carolina. Yesterday I dug several hundred. The ground was dry as an ash heap. But the roots seemed to gather in and store the moisture; they were long, full, and plump and fleshy. Other perennials growing beside them were suffering and dying, but I failed to see in our large field a single iris that was dying. They have the same power of resisting the cold. Last winter was one of the coldest known and, save the tender Japs, not one succumbed. These are of but little account with us, and in California they sunburn so badly they have generally discarded them, unless they put them under a screen.

We have now about 30 kinds of the Siberian type, hardy everywhere, besides the great hosts of the Germans and their crosses. Of course we of the west who are shut out from the rhododendrons, azaleas, kalmias, and many other flowers which succeed well in the East are delighted to know that we have the paeonies and iris in their various forms of beauty and their long time of blooming.

C. S. Hamman

York, Neb.

CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

The meeting of the New York Florists' Club which took place on Monday evening, Sept. 9, was in every way a success, members attending to the number of about one hundred, additional interest being enthused by the presence of John K. M. L. Farquhar, who made a most interesting speech in the course of which he referred to the forthcoming International Flower Show, which he felt certain would be a great success and to which end, promised his hearty support.

President Richard Vincent, Jr., made a most interesting address on convention matters in general and an account of the work he had accomplished thus far while president. Another interesting talk was that by W. A. Manda, who gave some very interesting details of the recent London International Exhibition and he also had on view the case of medals and cups he so deservedly won there.

Patrick O'Mara also spoke entertainingly on convention matters and proposed votes of thanks to the Chicago Florists' Club and Ladies' Auxiliary.

Secretary John Young of the S. A. F., gave a detailed report on the Trade Exhibition at Chicago. Mr. Young expressed his appreciation of the kind treatment received by him while in Chicago and of the help given him by the local people. The exhibitors, too, had made the work of trade superintendent very pleasant. He had been especially fortunate in having George Asmus of the Advisory Committee at his back at all times, that gentleman's experience in managing the Coliseum Flower Shows having made him a past master in such work. He said that it was through the efforts of Mr. Asmus that the Coliseum people had permitted the exhibitors to get into the building on Thursday preceding the convention, and allowed until Tuesday following the convention to remove their exhibits.

Mr. Young replied quite fully to the criticisms which Mr. Rosnosky had made at the meeting of the Florists' Club of Philadelphia in reference to cost of installing exhibits at Chicago, stating that Mr. Rosnosky had greatly exaggerated the conditions and that he holds all receipts, documents, etc., in proof of this. He admitted that there was some annoyance as to carpenters but no more than occurs in any other large city and stated that neither the S. A. F. nor the management had made any arrangements with any carpenter.

A committee was appointed to take some action to secure arrangements for the proper receipt of flowers intended for delivery to passengers on shipboard, also resolutions committees on the death of Wm. R. Smith, Mrs. A. S. Burns and Alexander Holt.

W. R. Pierson gave a detailed report for the Committee on Publicity, of which he is chairman. To comply with the resolution passed at the Chicago convention, the following local committee was appointed on publicity: I. S. Hendrickson, Herman Waren-

dorff, C. C. Trepel, John Young, Charles Schenck, C. A. Dards, Walter Sheridan, A. L. Miller, Alex McConnell, Alfred Bunyard, L. W. C. Tut-hill, A. T. De La Mare, Leonard Barron, F. R. Pierson, C. H. Totty, W. R. Pierson, M. C. Ebel, H. A. Bunyard, W. E. Marshall and John B. Nugent.

A fine lot of gladioli were staged by John Lewis Childs and for Fire King No. 6 he was awarded honorable mention. Charles H. Totty exhibited chrysanthemum Smith's Advance, honorable mention; new seedling rose No. 190, a brilliant fleshy pink, very vigorous grower and free flowering. (vote of thanks, exhibitor does not wish it scored at this time); new hardy aster "Climax," color lavender, (highly commended). E. S. Miller showed a collection of gladioli and was awarded the thanks of club.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Plant Registration.

Public notice is hereby given that A. N. Pierson, Inc., of Cromwell, Conn., offers for registration the following new seedling rose H. T. (J. B. Clark × Richmond.) Any person objecting to the registration or to the use of the proposed name is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from date.

Raiser's Description—The rose is a hybrid tea, a cross between Richmond and J. B. Clark. The habit of growth is strong and sturdy, and foliage excellent. The flower is large and double and opens perfectly at all seasons of the year. In color it is similar to Richmond, although richer in color and in the bud.

In form of flower and in fragrance it resembles Gen. Jacqueminot and combines with this excellent color, strong growth, great productiveness, and wonderful keeping qualities which strongly recommend the variety as an excellent forcing rose. The variety will be disseminated in 1913.

The name which I wish to give to the above described rose is Milady.

JOHN YOUNG, Secretary.

September 3, 1912.

SOUTHAMPTON HORTICULTURAL SOCIETY.

The regular monthly meeting of the Southampton (N. Y.) Horticultural Society was held in Odd Fellows' Hall, September 5th. The secretary of the flower show read a report, showing a balance of \$400 left over after paying expenses, which will be equally divided between the Fresh Air Home and Southampton Hospital. A communication was read from Chas. H. Totty asking the Society to donate some premiums for the National Flower Show. This was laid on the table until next meeting. A committee was appointed to get full information regarding having the Society incorporated and report at next meeting.

WM. McLEOD.

Corresponding Secretary.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The regular monthly meeting of the club on the evening of September 3d was well attended. President E. C. Ludwig, who was in the chair, and about twenty other members of the club had attended the S. A. F. convention in Chicago and there was an interesting exchange of views regarding the convention, and in and around Chicago. It seemed to be the gist of opinion that the hospitality of the Chicago Florists' Club was beyond all praise, and the convention was a success; the gladiolus exhibits were very fine, and the advance in this flower in the past few years seemed very marked. The great greenhouse plants about Chicago were a surprise in their extent, although in cultural perfection there seemed to be no advance over the east. Considerable surprise was expressed at the comparative absence of bedding plants, and the suburban villas and city lots did not show shrubbery and vines to anything like the extent to which we are accustomed about Pittsburgh.

It was Gladiolus Night at the club, but owing to the torrential rains to which this section has been subjected of late the display of blooms was very light. President Ludwig showed a collection of fine mixed varieties from his Butler farm, and A. C. Knauff showed some America and some enormous hydrangea blooms, larger than ever before shown at the club. He ascribes the immense size of his blooms to the fact that he cuts back his hydrangeas close to the ground every season.

The secretary was instructed to express the thanks of the club to the Florists' Club of Chicago for their free-landed hospitality.

Subject for October meeting, Dahlias.
H. P. JOSLIN, Secretary.

DETROIT FLORIST CLUB.

The last club meeting showed some of its old-time vigor in the discussion of present-day questions. Mr. Pochelon, who was most fortunately chosen secretary of the Florists' Telegraph Association, made a very clean-cut, energetic statement as to the great benefits of this system. Of course it sums itself up in the more than thousand-year-old adage that there is strength in unity, for as Mr. Pochelon says, we all know and most realize that an incalculable amount of business could be done by this system were our customers only better informed regarding it. It would be a blessing to us and our customers if the retailers throughout the country would join hands in this association and speak of its existence wherever possible. While a very creditable start has been made there is no doubt that such a "live wire" secretary as Mr. Pochelon is, will bring about astonishing results.

FRANK DANZER.

CLUB AND SOCIETY NOTES.

The Newport (R. I.) Horticultural Society holds its annual flower show on Saturday, Sunday and Monday, Sep-

International Exhibition at Bruges

Views in the Outdoor Section Described in Our Issue of Sept. 7.



Lower Right Hand Picture Shows F. Sander & Son's Group of Bays.

tember 14, 15 and 16. The annual ball of the society will be held on Tuesday evening, September 17, in Masonic Hall.

The fifth annual convention of the Vegetable Growers' Association of America was held at Rochester, N. Y., on September 4, 5 and 6. Many valuable papers were read and discussed and the reports of the various officers showed the organization to be in a very flourishing condition. There was an excellent exhibition of vegetables and supplies for market gardening.

A regular meeting of the Tuxedo Horticultural Society was held in the Parish House, Tuxedo Park, N. Y., September 4. The executive committee reported the following gentlemen had kindly consented to act as judges at the fall show, to be held October 25: Alex. McKenzie, Edwin Jenkins and Harry J. Allen. A new scale of points was adopted for judging the vegetables.

The Cincinnati Florists' Society's regular meeting was held on Monday evening at the club rooms. There was considerable enthusiasm, particularly among the growers on the question of the selling price of geraniums. All feeling that this product as now disposed of is not nearly yielding proper returns. Messrs. Henry Schwartz, F. Dellar and R. Witterstaetter read interesting papers on the same.

Dahlias and fruits fill the tables at Horticultural Hall, Boston, Friday, Saturday and Sunday, Sept. 13, 14, 15, the annual September exhibition of the Massachusetts Horticultural Society. A special feature of the fruit display

is exhibits of apple, pear, peach and plum trees, all in fruit, growing in twelve-inch pots. The exhibition is free and will be open Friday from 12 M. to 6 P. M., Saturday, from 10 A. M. to 6 P. M., and Sunday from 2 to 6 P. M.

The first meeting of the Horticultural Club of Boston for the season of 1912-13 was held at Young's Hotel on Wednesday evening, September 11. The old officers were re-elected, viz: J. K. M. L. Farquhar, president; F. R. Pier-son, vice-president; E. H. Wilson, honorary secretary, E. Allan Peirce, treasurer. Mr. H. A. Barnard of London was a guest and made some very interesting remarks. Apart from strictly business matters of the organization, many topics of general application to the best interests of American horticulture were informally discussed. James B. Shea the new superintendent of Boston parks was elected a member to fill the vacancy left by the death of J. A. Pettigrew.

THE NATIONAL FLOWER SHOW, NEW YORK, 1913.

The National Flower Show Committee is now working on the final schedule. The committee respectfully requests of business houses or individuals who may be considering the offering of special prizes that they make decisions at once, so that they may receive due publicity and the growers have a chance to grow specimens for the prizes offered.

Since publication of our last report the following special prizes have been offered:

In addition to previous generous donations, the H. F. Michell Co., of Philadelphia, offers \$50 in cash for a first prize, a silver medal as a second, and a bronze medal as a third, for the best single stem plant in a 4-inch pot of Geranium Helen Michell, a new variety the company is distributing at the present time.

The S. S. Pennock-Meehan Co., of Philadelphia, offer the Pennock-Meehan Cup for the best red forcing rose not yet disseminated, whether of domestic or foreign origin, 12 blooms. Exhibits to be judged by the official scale of the American Rose Society. The cup is valued at \$25. The Pennock-Meehan Cup, value \$25, is also offered for 12 blooms of the best forcing rose, any other color, not yet disseminated, whether of domestic or foreign origin, exhibits to be judged by the official scale of the American Rose Society.

The Leo. Niessen Co., of Philadelphia, offer a silver cup, value \$30, class to be announced later.

The Lord & Burnham Co., New York, has taken up Class 28 of the Preliminary Schedule for one specimen plant azalea, not less than 4 feet in diameter, first prize \$20 in cash, or a gold medal.

Everything points to the fact that horticulturists are fully aware of the great importance of these expositions and that they are determined to assist by all the means within their power to make the Third National Flower Show the grandest exhibition ever held in this country.

J. H. PEPPER,
Chairman Publicity Committee.

During Recess.

Florists' Club of Washington.

There was something doing at Potomac Heights when the florists of Washington got together for the purpose of pulling off the field events that had been postponed from Chesapeake Beach last July because of rain.

About 150 members, families and friends participated. Upon arrival at the park they were greeted by W. W. Kimmel, chairman, and the committee and invited to get busy on the good things that were awaiting them. The races were very exciting and when George Dalglish led the field in the 100-yard dash, leaving the other members of the Florists' Club behind and walked off with the prize, he came pretty near being the whole show.

Other events were as follows:

25-yd. dash for boys under 12, Lawrence Berry 1st, Hiram Kimmel 2nd. Dash, for girls, Agnes Berry 1st, Pearl Minder 2nd. Race for older boys, 50 yards, H. Busley 1st, H. Kimmel 2nd. Older girls, Edith Sauer 1st, Blanche Sauer 2nd, Augusta Machen 3rd. 100-yd. dash, Sam Everett 1st, Geo. Barr 2nd, Suck race, Sam Everett 1st, H. Busley 2nd. Three-legged race, Kimmel and Gatton 1st, Everett and Barr 2nd. Flag race, Lawrence Berry 1st, Herbert Ratton 2nd. Girls' flag race, Gayle Johnson 1st, Agnes Berry 2nd. Steamer quoits, Mrs. Somers 1st, Miss Barry 2nd, Miss Lott 3rd. Basket ball, Mrs. Hess 1st, Mrs. Shaffer 2nd, Mrs. Mayberry 3rd. Single ladies' basket ball, Miss Klug 1st, Miss Oehmler 2nd, Miss Minder 3rd.

The real event of the day, however, took place when all the men got together to fight it out at quoits. It was too late to play team matches and all the interest was centered in the singles. The prize in this event was a handsome stein and was won by George C. Shaffer.

The affair was a very successful one and the results were gratifying to Mr. Kimmel and his committee.

Tuxedo Horticultural Society.

The annual clambake of this Society took place on August 14th. The entire party were conveyed in eleven stage coaches a distance of eight or nine miles from Tuxedo to Camp Comfort, Lake Mount Basha. Boating, games and refreshments were enjoyed to the fullest extent. The program provided for a good variety of races and other sports. In the race for single ladies Miss Annie McIntosh came in first, Miss Greathead second. The chief event was the race for fat men, D. S. Miller coming in first as usual. In the tug-of-war for married men vs. single, the married won, but in tug-of-war for married ladies vs. single, the single ladies won.

Bar Harbor Horticultural Society.

The Bar Harbor, Me., Horticultural Society's field day at the Eden Fair grounds Monday afternoon, proved a big success and called out a much larger crowd than was in attendance last year. Everything went off smoothly, and there was plenty of fun for everyone. An automobile had been hired for the occasion and was used to convey the children around the track. It is needless to say that the machine was in great demand throughout the afternoon. Athletic events, some of such a nature as to be great fun producers, were in order. An old Aunt Sally with her clay pipe was made up for a mark for the children's

missiles and proved a great attraction for the youngsters. A clam chowder with crackers and coffee was served by the social committee in the hall on the grounds. The stock of the ice cream and peanut men was bought out by Louis B. McCagg and given out to the children.

The athletic events proved a big attraction.

John Stalford was chairman of the social committee, Charles Shand of the children's committee, Louis B. McCagg of the athletic committee, Bernard Morris of finance committee, William Miller and Joseph Kirk the committee on transportation, while the whole of the arrangements were done under the superintendence of Bernard Morris.

A GROUP AT RAVINIA PARK.

Mrs. J. A. Peterson of Cincinnati, did a little snap-shooting on her own account at the Ravinia Park outing of the S. A. F. and here we have one of the pictures, which, we think, at once classes her among the experts in that line. Nobody who ever met her worthy husband will have any difficulty in recognizing that gentleman in the light suit, and President-elect Farquhar who stands alongside could



never be mistaken for anyone else. A little to the rear is the editor of HORTICULTURE perusing the pages of one of Horticulture's contemporaries, while in the background may be seen John Westcott of Philadelphia in congenial occupation, pointing out to a lady the direction her husband had taken in search of the little farm building where Chris. Bahr stood ready to welcome all who were athirst.

S. A. F. MEDALS AWARDED AT LONDON.

Editor HORTICULTURE:

Dear Sir:—I notice in the Secretary's report of the medals given by the Society of American Florists during the year that they had no knowledge as to whom the three silver and three bronze medals were awarded at the International Show in London. I beg to inform you that I was one of the fortunates to receive a silver medal for a collection of American plants and the other medals were awarded as follows:

Silver medal for American lilies to Messrs. W. Cutbush & Son; silver medal for *Silene Hookeri* to Mr. M. Prichard; bronze medal for *Rhodostachys*, species, to Mr. H. J. Elwes; bronze medal for Carnation "White Wonder" to Messrs. Allwood Bros.; bronze medal for Rose "Hiawatha" to Messrs. Paul & Son.

Respectfully,

W. A. MANDA.

PERSONAL.

D. Cameron, representing F. Sander, St. Albans, Eng., and Bruges, Belgium, will sail for New York about middle of September.

George Peach, late foreman on the Shotter estate, Lenox, Mass., has been appointed superintendent of the Maplewood estate, Utica, N. Y.

John B. Thomson, who has just resigned his position as head gardener to Col. E. L. Swan of Oyster Bay, L. I., has accepted a similar position with Mr. R. Miller, Millbrook, N. Y.

James A. Delaney has been appointed superintendent of the P. Sanford Ross estate at Elberon, N. J., one of the best known places in that vicinity and always kept up to perfection.

New York visitors: J. K. M. L. Farquhar, Boston; Thomas Roland, Nahant, Mass.; W. J. Vesey, Fort Wayne, Ind.; R. Vincent, Jr., president S. A. F., Baltimore, Md.; A. J. Smith, Lake Geneva, Wis.

Boston visitors: Prof. G. E. Stone, Amherst, Mass.; W. E. Chappell, Providence, R. I.; A. E. Thatcher, Bar Harbor, Me.; Dr. Moore, Shaw Garden, St. Louis, Mo.; A. J. Smith, Lake Geneva, N. Y.; Mrs. W. A. Manda, South Orange, N. J.; H. A. Barnard, representing Stuart Low & Co., London.

INTERNATIONAL FLOWER SHOW AT ST. PETERSBURG.

There is to be an international horticultural exhibition at St. Petersburg next spring, under the patronage of the Emperor of Russia. The United States Secretary of Agriculture announces that requests for registration should be addressed to the executive committee, care of the Bureau of the Imperial Society of Horticulture, Quai de la Cour, 32, St. Petersburg, not later than Jan. 1, 1913. The exposition will comprise the following sections: Floriculture; decorative horticulture (A) greenhouse, (B) outdoor; pomology; fresh fruits and those kept naturally during the winter; vegetables and market garden plants; preservation and use of fruits and vegetables; grains; apiculture; agriculture; house plants; scientific section; school section; tools, instruments and apparatus; floral art; commercial section.

NEWS NOTES.

A first class certificate was awarded at the Shrewsbury Show for a splendid new Montbretia, "Star of the East," exhibited by R. Wallace & Co.

W. A. Manda received a silver medal at the big Shrewsbury Show, England, on Aug. 21-22, for a group including *Polypodium Mandanum*, *Asparagus elongatus* and other decorative plants.

Washington, D. C.—M. J. McCabe, of the Centre Market, while working in his greenhouses in Anacostia, D. C., stepped on a nail, receiving a very painful, although not a serious injury. He is confined to his home.

John H. Small, Jr., has been appointed a member of a committee of 103 merchants of the District of Columbia, who will aid the national committee in their endeavor to create a permanent exhibit of the manufactures and resources of the United States. Each state, according to present plans, is to have its own building. Rock Creek Park, one of the show places of the capital, will probably be the site.

TO THE SWEET PEA GROWER.

A MISSOURI SWEET PEA FIELD.

Dear Sir:—For the last two years we have been working on the diseases of the sweet pea and their control. We are about to publish a preliminary bulletin and we are anxious to incorporate in our work the experience and observations of all the leading practical horticulturists and gardeners.

In our investigations we have dealt with the following troubles: Damping off, similar to the damping off of lettuce and other plants; Anthracnose, producing a wilt disease of the tips as well as a leaf and pod disease; "Streak," a dreaded disease in England and now rapidly spreading in this country; this disease is characterized by a dark streak all along the center of the stem; Mosaic disease, similar to the mosaic of tobacco and tomato; Root diseases due to fungi and eel worms.

Due credit will be given you in our report, to any contribution which you will be so kind as to give us. The Department of Plant Pathology will highly appreciate and consider it a great favor if you will kindly fill out the lists of questions which we here include. An early reply will be duly appreciated as it will save the losing of unnecessary time.

Hoping to hear from you and thanking you in advance, I am, very truly,

J. J. TAUBENHAUS,

Assistant Plant Pathologist.

Del. Coll. Agri. Exp. Station,
Newark, Del.

1. Is the sweet pea grown extensively in your state?

2. What is its economic value?

3. Can you please furnish us the addresses of firms or individuals in your state who grow sweet peas, either for seeds or for cut flowers?

4. Can you furnish us the address of florists who grow sweet peas under glass?

5. Do you think the sweet pea well adapted to the climate of your state?

6. If not adapted, does it thrive in certain particular localities only?

7. Have you noticed any particular soil in your state to which the sweet pea is especially adapted?

8. What kind of soil do you consider ideal for sweet peas?

9. What types of soil do you consider unfit for sweet peas?

10. Do you consider excessive feeding a hindrance to sweet pea growing, that is, do plants fail to set flowers or produce a bud drop when overfed?

11. Do you prefer manure or fertilizers for sweet peas?

12. What do you consider is a well balanced fertilizer for an average sweet pea soil?

13. Do you prefer fall or spring sowing?

14. Is the soaking of seeds before germination necessary?

15. What kind of support do you consider best for sweet peas?

16. What kind of cultural practice is best suited for the sweet pea?

17. According to your observations, what factors do you think are most instrumental in favoring diseases of the sweet pea?

18. Have you noticed any mildew (*Oidium* sp.)?

19. Do you irrigate your sweet



S. Bryson Ayres, Independence, Mo., Grower.

peas, and if so, how much does it help the plants to resist disease?

20. Do you grow sweet peas on the same place year after year, and if so, do you find the disease to be more prevalent than they otherwise would?

21. Do you change your soil every year?

22. Have you noticed any damping-off of the seedlings?

23. Have you noticed any tip wilt (Anthracnose)?

24. Have you noticed any Mosaic or mottled leaf disease?

25. Have you noticed any Streak disease, a black streak running all through the length of the main stem of the plant?

26. What disease do you consider most detrimental to the sweet pea in your state?

27. Have you noticed any insect pests troubling the sweet pea; if so, please name them?

28. Do you advise spraying for the sweet pea? If so, for what do you spray and what material do you use?

29. What do you spray with to control green lice and mildew?

30. Please give us the names of the spray material which you use and the name of the firm where you buy it?

31. Do you think that the time of the day of picking the blossoms is correlated with its keeping qualities?

32. Do you know of any special method of keeping the blossoms longest after they have been picked?

33. Do you advise the application of nitrates during growth; if so, what influence has it on the flowering?

34. What particular treatment do you advise in order to encourage the plants to bloom until late in the fall?

35. What cultural treatment would you prescribe for sweet peas under glass?

36. What daily and nightly range (maximum and minimum) of temperature would you advise for sweet peas under glass?

37. What soil do you consider best for sweet peas under glass?

38. Do you sterilize your soil in the greenhouse or do you change your soil every year?

39. Please add any special remarks or observations that you would like to make.

40. Name and Address.

41. Official position.

NEWS NOTES.

Westfield, Mass.—P. Martino has purchased the greenhouses of L. E. Bennett.

Huntington, Pa.—Fred M. Isenberg has purchased the business of Hake & Peterman.

Sheridan, Wyo.—L. M. Best, of the Best Floral Co., has purchased the property of the Sheridan Greenhouse Co.

Rockford, Ill.—Charles E. Rogers has purchased the greenhouse of H. B. Sullivan, Central avenue and Green street.

Columbus, Kan.—L. H. Winter has sold his greenhouse to T. A. Blake, who will combine the business with his own.

Wakefield, Mass.—L. E. Bennett has sold the greenhouses at the corner of Pleasant and Sweetser streets to P. Martimo of Wate street.

Toledo, Ohio—The greenhouses of Clara K. Wisner, 2476 Cherry street, are being torn down and will be rebuilt on Delaware avenue.

Holyoke, Mass.—Reginald S. Carey, formerly gardener for Joseph A. Skinner, has purchased the greenhouses and nursery of Joseph Beach.

Pierre, S. D.—A cloudburst on August 29 destroyed all the outside stock at the Capitol Greenhouses, 228 Pawnee street, and flooded everything inside.

Fairmount, Minn.—The greenhouse of the late Mrs. J. W. Gould has been purchased by Mrs. D. W. Needham, who will move it to her own plant on Third street.

Grand Rapids, Mich.—Reed & Cheney have about closed negotiations for the purchase of the Grand Rapids Greenhouse Co.'s properties which have been in the hands of a receiver since early in the year. They intend to organize a company to continue the business.

TWO GIGANTIC GREENHOUSES.



The above illustration shows two 60 by 1000-foot rose houses covering an area of 120,000 square feet of ground, recently completed for J. F. Wilcox & Sons, Council Bluffs, Iowa, by the King Construction Co. These houses rival in size the big range recently built

for Henry A. Dreer, Inc., at Riverton, N. J., comprising twenty houses, 21 by 203 feet, and The Florex Gardens range at North Wales, Pa., covering an area of 120,400 square feet.

Aside from the great interest manifested by the trade in this big plant, a feature of special note is the fact

that while the house shown on the right in the photograph was blown down by a hurricane, the adjoining house only 25 feet away was not harmed in the least. The accident occurred at 6.00 p. m. on July 31st, and this photograph was taken Aug. 13th, just ten working days after.

Obituary.

Alexander Dean, V. M. H.

The English journals record the death of this eminent horticulturist and writer on August 20, at his home in Kingston-on-Thames, at the age of eighty years.

Jacob Dilly.

On August 25, Jacob Dilly, retired florist of Newark, N. J., died at his home, aged 84 years. He was born in Germany and came to this country in 1844, settling in Newark. In 1859 he established a florist business which he continued for about thirty years.

Robert Blair.

Robert Blair, who up to the time he retired from active gardening a few years ago was well-known and proficient in his calling, died in South Boston on September 7th, aged 72 years. Mr. Blair was gardener for A. W. Spencer for about 25 years and was a frequent and successful exhibitor at the shows of the Massachusetts Horticultural Society.

Angelo Baldocchi.

Angelo Baldocchi of the firm of Podesta & Baldocchi, San Francisco, Cal., died suddenly on September 4th. Mr. Baldocchi was recognized as one of the leading retail florists of the Pacific Coast. He was a self-made man, having worked himself up from boyhood by close application and industry. He was a gentleman in every sense of the word and held in the highest respect by all the trade and the San Francisco people. His being taken away in middle life and at the prime of his usefulness is keenly felt by the florist fraternity. He was a member of the Society of American Florists.

Cornelius Casey.

Cornelius Casey, a highly respected florist and nurseryman of Melrose, Mass., died at his home on Maple street, September 3rd. Born in Ireland 76 years ago, he came to this country when 12 years of age. After attending the public schools he entered the employ of the late David L. Taylor, florist, at the age of 16. Five years later he enlisted in the United States regular army, serving on the western frontier against the Indians. At the outbreak of the Civil War his



CORNELIUS CASEY

regiment—the Third United States Infantry—was ordered to the front and took part in many of the important battles during the first two years. The enlistment term of five years expiring, he returned to Melrose, again working for his old employer. In 1869 he erected the first greenhouse in the present location for the growing of

roses, with which he was very successful. The greater part of his life was spent growing roses, and though for many years enjoying the ease that comes from a life well spent, he still retained an active interest in his favorite flower.

The deceased was loved and respected by all who made his acquaintance, having a charm of manner common to many of the older generation. Of unquestioned integrity and sincerity in his dealings with all, his passing is mourned by the community at large, who appreciated his noble character. Mr. Casey leaves a widow, two daughters and four sons, who have conducted the business for many years. The love and sympathy of friends was shown by the profusion of floral tributes.

Charles L. Yates.

Charles L. Yates, of Rochester, N. Y., for the past twelve years treasurer of the American Association of Nurserymen, died suddenly Wednesday night, September 4th. He had been complaining of a slight indisposition on Monday, but was not deemed to be seriously ill until Wednesday evening when he became suddenly worse and expired in a few minutes, the cause being acute indigestion.

Mr. Yates was manager of the National Nurseryman, the official organ of the Association. Only a few weeks ago Prof. John Craig, editor of that paper, also died and the Association has sustained a great loss in this removal of two of its most active and popular men.

Mr. Yates was born in Canada in 1847. He leaves a wife and one son. The funeral took place on Saturday, 7th inst.

R. M. Ward & Co. call our attention to the prices of *Formosum* lily bulbs 7/9 and 8/10 as having been quoted at \$22.50 in his advertisement last week, whereas the prices should have been \$24.00 and \$25.00, respectively.

MIGNONETTE--Farquhar's Universal

One of the finest MIGNONETTES for the greenhouse, producing immense flowers. Spikes of reddish green, sweetly scented.

The seed we are offering was raised for us under glass and saved from selected spikes.

Packet \$1

R. & J. FARQUHAR & CO., 6 & 7 South Market St., Boston, Mass.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS PLANTS, EVERGREENS, ROSES, HODODENDRONS, VINES AND CLIMBERS, AUTUMN BULBS AND ROOTS, CONIFERS, PINES

Florists are always welcome visitors to our Nurseries. We are only a few minutes from New York City; Carlton Hill Station is the second stop on Main Line of Erie Railroad.

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Nurserymen and Florists

Rutherford, N. J.



W. B. WHITTIER & CO.,
SOUTH FRAMINGHAM . . MASS.
GROWERS OF HIGH GRADE NURSERY STOCK
LARGE ASSORTMENT
WRITE FOR PRICES BEFORE ORDERING ELSEWHERE

Strawberry Plants

POT GROWN. Extra Strong, any quantity, any variety. Order early and have your plants selected for July delivery.

Write for List and Reserve Your Order

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200 Broadway, NEW YORK CITY

Bulbs for Forcing

BEDDING AND NATURALIZING. We have made arrangements with the leading growers to have our bulbs specially selected.

W. E. MAYNARD

Manager Sales Department
157-159 William Street (Basement)

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and Descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK,

216 Jane St. Weehawken Heights
P. O. No. 1, Hoboken, N. J.

Nursery Stock

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

THIS PRICE WILL FETCH YOU

5,000 YOUNG PALMS

2-inch Pots. FORSTERIANA, BELMOREANA.

\$30.00 Per 1,000

Good, thrifty, young plants, in perfect condition. This price ought to sell them quick. Every plant guaranteed. Also:—

500 ft. 4-in. cast iron pipe, in good order. Will close out cheap. No reasonable offer refused. Also:—

A big Burnham sectional Boiler; been used two years; cost \$650; will sell for \$250. In perfect condition. No defects of any kind; has not been used anywhere near full capacity. Change of plans only reason for selling.

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PHILADELPHIA, PA.

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41st Street and Park Ave. New York
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Drainage Systems, Water Supply, Planting.

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Our large, beautifully illustrated catalogue is mailed to you free of charge. It is a
HANDBOOK AND GUIDE TO FLORISTS
and contains useful information about forcing of all kinds of forcing shrubs, Lilacs, Rhododendrons, etc., etc.

BOOM YOUR FALL BUSINESS

by advertising your goods in the

Horticulture

Publicity among the kind of readers reached by this paper is THE SORT OF PUBLICITY THAT PAYS.

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS

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LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

SOCIETY OF AMERICAN FLORISTS.

Report of Entomologist.

(Continued from page 308)

Scale Insects.

As is generally known, scale insects form an important family, Coccidae, of the order Hemiptera. The large number and wide geographical distribution of scale insects, their variety of forms and adaptation to conditions of life and their economic relations have led their discussion to form an important part of our entomological literature, both present and past.

From earliest times, different species of scale insects occurring principally in tropical or semi-tropical countries, threatening the very existence of certain cultivated plants are recorded. The early outbreaks of scale insects prevailing throughout the entire orange, lemon and olive districts along the shores of the Mediterranean, attracted the attention of early naturalists and stimulated their interest in the group.

Like conditions have existed from time to time in this country, which have led to the extended investigations of certain species that have been conducted in the past, and which are in progress at this time.

Scale insects depart most widely in form and characteristics from the type of insects included in the order. Not only do they exhibit a wide degree of similarity from others included in the order, but they exhibit a remarkable variety of forms and habits within the family.

As a whole, scale insects are diminutive in size,—the largest native species seldom exceeding an inch in length or diameter. They attach themselves either to the bark, stem or leaves of a plant, and will often be found on fruit. They feed upon the plant in a similar manner to other insects having sucking mouth parts, by protruding their beak into the plant tissue and extracting its juices. When occurring on leaves of plants, as is the case in many species affecting greenhouse plants, they usually attach themselves to the underside and in most cases settle along the mid-rib and larger nerve bundles of the leaves, where they would naturally secure the greatest flow of sap.

While the amount of sap or juice extracted by a single insect is very small, when multiplied by millions, it greatly weakens the host. Like other members of this order, some species of scale insects excrete an excess of sap in the form of "honey dew," which accumulates in drops and spreads over the bark or leaf as a sticky liquid. This honey dew excretion serves as a host for black fungi, which often injures the foliage and fruit of plants.

Life History of the Scale.

The life history of scale insects may

be generally summarized as follows:

The eggs are laid by the adult female, either immediately beneath her own body or at its posterior extremity. A few species bring forth living young. The tiny young are active, six-legged, mite-like creatures, which may crawl over the tree or plant they infest for a short period, seldom extending over a period of twenty-four hours. With the exception of a few species, the larvae settle and insert their beak into plant tissue, and if an armoured scale excretes a covering over its body. They develop, as do other insects, by molting. The female thus develops to an adult and is a motionless, wingless, and for all practical purposes, legless and eyeless creature. Her body becomes swollen with eggs or young and as soon as these are laid or born she usually dies.

The life history of the male in its final stages is quite different from the female. The male larvae when born or hatched cannot be identified,—the life history being practically parallel until after the second molt. The male scale transforms to a pupa and later emerges as a two-winged insect without a mouth. The function of the male insect is simply to fertilize the female. The number of generations annually among scale insects and the number of eggs laid or young produced by the female varies so widely in different species that no general statement can be made.

Scale insects are usually grouped under two large classes, the armoured and unarmoured species, or those that excrete exuvi over their bodies, forming a scale as a covering, and those which are naked or have no separate scale over their bodies. Both groups are largely represented among those species common on fruit and ornamental stock.

Inasmuch as the remedy for many of the scale insects are similar, to prevent repetition it seems best to discuss the treatment of these pests as a distinct subject rather than under individual species, except to indicate the character of remedy.

(To be continued.)

BOSTON FLOWER EXCHANGE.

At the meeting of the Boston Flower Exchange, last Saturday evening, it was voted by a decisive majority to move from Park street to the site long favored by many, on the south side of Winthrop square. The acquisition of the lease of the new quarters has not yet been accomplished and there are many intricate questions to be settled before the transfer is made, but all this has been left to the board of directors and the outlook is hopeful. The new location is an ideal one in all respects and all recognize that the Exchange has long since outgrown the restricted quarters on Park street.

GREENHOUSES BUILDING OR CON-TEMPLATED.

New Britain, Ct.—A. Volz, chrysanthemum house.

Nashville, Tenn.—McIntyre Bros., range of houses.

Seekonk, Mass.—John W. Peck & Sons Co., one house.

Toledo, Ohio—Clara K. Wisner, Delaware avenue, rebuilding.

River Forest, Ill.—E. C. Waller, three houses each 28 x 133.

Summerdale, Pa.—Emil Lelache, house 16 x 100, one 16 x 110.

Minneapolis, Minn.—Park Department, range of plant houses.

Cleveland, Ohio—Henry von Lehinden, 288 Eddy road, one house.

North Battleford, Sask., Canada—H. J. Scrivener, one house, 10 x 25.

Lowell, Mass.—W. E. Beach, Caster and Lawrence streets, one house.

Fresno, Cal.—Kirkman Nurseries, range of greenhouses and office building.

Philadelphia, Pa.—John Weiland, Wyoming avenue and Front street, house 15 x 58.

Manchester, Mass.—Axel Magnuson, Vine street, house 30 x 100, office and boiler house. He expects to move his Bridge street business to this new location.

1000 READY PACKED CRATES STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price

per crate:				
2000	1 3/4 in.	@	\$6.00	500 4 in. @ \$4.50
1500	2 "	"	4.88	450 4 1/2 " " 5.24
1500	2 1/4 " "	"	5.25	320 5 " " 4.51
1500	2 1/2 " "	"	6.00	210 5 1/2 " " 3.78
1000	3 " "	"	5.00	144 6 " " 3.16
800	3 1/2 " "	"	5.80	120 7 " " 4.20
				60 8 " " 3.00

HILFINGER BROS., Pottery, Fort Edward, N. Y.

August Roiker & Sons, 31 Barclay St., N. Y. City, Agents

OUR SPECIALTY—Long Distance and export trade

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.

New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.



Rustic Summer Houses, Arbors
Rustic Manufacturing Co.
150 Nassau St., New York City
Rustic Summer Houses,
Pergolas, Arbors, Fences,
Bridges and all Garden
Furniture built in the most
artistic way.
Send for catalogue.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts. Washington, D. C.

CHICAGO NOTES.

Poehlmann Bros. are now western representatives for Ove Gnatt of Hammond, Ind., who specialize in oak and magnolia sprays. The trade seems to be taking very kindly to these goods.

A. F. Longren has accepted a position as traveling salesman with Poehlmann Bros., and left on his first trip this week. He is one of the best known men selling florists' supplies and for several years has been with E. H. Hunt.

The Fox River Valley, one of the prettiest pieces of country in this vicinity, is appealing strongly to some of our florists. Frank Oechslein took his vacation there only to return with his family and take another and this week still another.

Evergreen Brand Fertilizer posters are now seen in several of the large wholesale houses. D. D. Johnson has accomplished much in showing what these goods can do and has testimonials from the leading experiment stations of the country.

C. H. Fisk is making extensive additions to his store at Ogden and Madison. He has lowered his boilers and placed his garage over them and a storage house tops that. Mrs. Fisk is expected home soon from an extended trip to Pasadena, Cal.

Fanny E. Murphy, 4248 W. Madison street, is another who but lately ventured into the florists' business. She has with her Lawrence Murphy, her brother, who has been employed in the wholesale stores and together they have made an excellent start.

Chas. Zapfe, now completing his first year in the retail business at Sixty-second street and South Park avenue, says that he has done better than he anticipated and especially during the dull summer months. Mr. Zapfe makes a good window display a strong feature.

The Fleischman Floral Co., 84 E. Jackson Boulevard, has begun extensive improvements on their store, which when completed will give them three times their present office space. The enclosure will be of white marble and plate glass, in keeping with the rest of the store.

At the twelfth annual horse show on the grounds of the Onwentsia Club, Lake Forest, September 7, the flower-decorated vehicles were made a feature and natural flowers were used exclusively. Dexter Cummings won first prize; Geo. McLaughlin, Jr., second, and Elizabeth Cross, third.

Still another firm on their first year is known as the Kedzie Florist, though a little west of Kedzie avenue at 3401 W. Madison street. Here Hans Rowoldt and Edward Lester started six months ago and their fine corner is opposite Garfield Park. Both were experienced men and both have the push and patience which make for success.

Celosia Thompsoni hybrid and Castle Gould are now in bloom and are forming a pleasing contrast to the ferns and palms which have constituted the plant offerings for many months. Celestial peppers and the new cluster peppers are also coming now, the latter having been tried here for the first time one year ago. They are a novelty which seem to possess

merit, the cluster of five or six peppers being very attractive.

The Chicago Florists' Club held its regular meeting Sept. 5th. The attendance was good considering the extremely hot weather. The greater part of the evening was occupied by a discussion of a special train to the State Fair at Springfield. It was decided that the October meeting should be open to the ladies and a special program will be prepared. "The street fakir and what to do with him" was also a question given considerable discussion and resulted in the naming of a committee of ten florists to wait upon Mayor Harrison and see about having the license ordinance enforced as a check.

This week the two Chicago clubs will each organize a bowling team.

Personal.

T. E. Evender has returned from his summer home in Watervliet, Mich.

Miss Gertrude Lewis of J. Mangel's has returned from a long trip through Canada and to many of the principal cities of the East.

Theodore (Teddy) Vogel, and Miss Gerda Larson were quietly married on Sept. 4 at 3129 S. Park avenue. Mr. Vogel is a young man popular in the trade and is at present connected with the Alpha Floral Co.

ST. LOUIS NOTES.

August Kunz, a well-known florist, has been appointed head gardener of the Water Works Department in place of W. E. Robinson, who has resigned.

Paul Schoder, grower in Clayton, has taken up growing roses and has just completed a new rose house. He will consign to the Smith Wholesale Floral Co.

Frank Windler of the new wholesale firm of Windler Co., says the opening will be on next Monday, September 16. The trade will see a nice complete up-to-date wholesale establishment.

F. J. Foster, who was head of the Paris Floral Co., will open a store at the corner of King's Highway and Delmar avenue, to be known as the Foster Floral Co. The Paris Floral Co. is no more.

The new conservatories that are being built by the Pierson U-Bar Co., at the Missouri Botanical Garden, are making big progress and they expect to complete them before the cold weather sets in.

The Mullanphy Floral Co. on North Grand avenue, celebrated last week Friday and Saturday with an opening of their new store. The place was nicely decorated, a band of music played and large crowds of people came to get a flower for a souvenir and look the new place over.

J. J. Karins of Dreer's is in town.

Cincinnati, Ohio—The vacationists who have returned are Mr. and Mrs. C. E. Critchell, Mr. and Mrs. E. G. Gillett and daughter, Mr. and Mrs. Gus Adrian, Mr. and Mrs. Max Rudolph, Wm. Gear, and Al. Horning.

J. T. Conger is enlarging his Sunnyside Conservatories at Hartwell by building two new houses. He purchased his lumber from the Lockland Lumber Co.

Visitors: Jos. Morichard, representing Pennock-Meehan Co., Philadelphia; Wm. Nolan, Portsmouth, Ohio; and Wm. Lodder, Hamilton, Ohio.

Horseshoe Brand Lily Bulbs

The crops of all early forcing lily bulbs of good quality are very short this year, owing to a lack of rain at the proper time. At such times many bulbs of inferior quality find a ready sale in the market. Those who want good lily bulbs should therefore not delay a day in placing their orders. The following are the revised prices for Horseshoe Brand bulbs, the best produced in the World. Immediate delivery.

LILIUM FORMOSUM.

Excellent stock—extra in size and quality.
Size 6/8 in., \$20.00 per case of 400 bulbs.
" 8/10 in., 25.00 per case of 250 bulbs.
" 9/10 in., 22.00 per case of 200 bulbs.
" 9/11 in., 19.80 per case of 180 bulbs.
" 10/11 in., 18.00 per case of 150 bulbs.
" 11/13 in., 18.00 per case of 120 bulbs.
We advise early orders—very limited stock.

LILIUM GIGANTEUM—(to arrive soon).

Size 6/8 in., \$16.00 per case of 400 bulbs.
" 7/8 in., 16.00 per case of 350 bulbs.
" 7/9 in., 16.00 per case of 300 bulbs.
" 8/10 in., 22.50 per case of 250 bulbs.
" 9/10 in., 22.00 per case of 200 bulbs.
" 9/11 in., 21.60 per case of 180 bulbs.
" 10/11 in., 22.50 per case of 150 bulbs.
" 11/13 in., 24.00 per case of 120 bulbs.

The above Giganteum are from the finest fields in Japan. Prices on Auratum, Rubrum, Magnificum, Album, etc., etc., upon application.

FRENCH BULBS.

From the celebrated fields of Martial Bremond, world's largest grower of French Bulbs.

WRITE FOR PRICES

on Paper White Grandiflora, French Trumpet Majors and Freesias, if interested.

Prices are F. O. B. New York City, duty paid, terms three months or 2 per cent. ten days. A special discount of 5 per cent. will be granted only when cash accompanies the order.

Write for the Book of Bulbology.



Not How Cheap
But How Good

Ralph M. Ward & Co.

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AUGUST RÖLKER & SONS

Import for the wholesale trade:

AZALEAS, PALMS, RHODODENDRONS, BAYTREES, ROSES, LILACS, HOLLAND AND JAPAN BULBS, LILY OF THE VALLEY, ETC.

P. O. Box 752 or 31 Barclay St., NEW YORK.

ARAUCARIAS, PALMS, RUBBERS AND FERN BALLS

SEND FOR PRICES.

Godfrey Aschmann

Wholesale Grower and Importer
1012 W. Ontario St., PHILADELPHIA, PA.

LOECHNER & CO.

JAPANESE LILIES
LILY OF THE VALLEY PIPS
PALMS, AZALEAS, &c

11 Warren Street, New York, N. Y.

Write for quotations

SURPLUS SHRUBS

FOR FALL PLANTING.

Large stock of Rose of Sharon, Deutzia, Prunella, Forsythia, Spiraea, Anthony Waterer, Weigela, etc. etc. 25c. each. Kerria Japonica, 15c. each. All F. O. B. Southampton N. Y. No charge made for packing materials, etc. etc.

CHAS. E. FRANKENBACH & SONS, Southampton, N. Y.

Seed Trade

Idaho Seed Pea Crops.

The Coulter-Adams Seed Company, wholesale seed growers, with headquarters at Ogden, Utah, write that the month just closed has been a most unusual one in the history of the Idaho district. More wind, hail and rain storms than ever before in the memory of "the oldest inhabitant," some of them extremely severe. Considerable damage has been done to crops in some sections, several instances of entire fields being swept clean of the harvested pea vines by the hurricane force of the wind. Early in the month several large fields in the Teton district were completely mowed down with hail. In the districts where soil is heavy, dwarfs have suffered greatly, and estimates will be reduced generally one-third. Late peas and Telephone types will suffer the least, on account of not being cut, when the heavy rains come during the latter part of the month.

Notes.

San Jose, Cal.—Thomas W. Chisholm has been appointed sales manager for the Braslan Seed Growers' Co., Inc.

Chicago's well known seedsman, Chas. Dickinson of the Albert Dickinson Co., figured prominently until the last day in the Gordon Bennett aeroplane race in Chicago, Sept. 9th. Mr. Dickinson is an enthusiast who spares neither time nor money.

In line with the up-to-date methods of the H. F. Michell Co. are lectures and exhibits at their store at Fifth and Market streets, Philadelphia. One of the most interesting of the season was the vegetable exhibit which opened on the 10th inst. The general excellence of the specimens shown was very conspicuous. Among the prize winners were: Wm. H. Hart, Jr., M. E. Atkinson, R. J. Thorow, Thos. Rowe, Wm. Farrell, Jno. Little, Robt. Schneider, Wm. Robertson, James Bell, Mrs. Edward Cole, W. H. Tomlinson, and Philip J. Hoh.

CATALOGUES RECEIVED.

C. Keur & Sons, Hillegom, Holland.—Special wholesale price list of plants and bulbs.

Conard & Jones Co., West Grove, Pa.—New Floral Guide, Autumn, 1912. A bright and interesting illustrated list for retail buyers.

Good & Reese Co., Springfield, O.—Fall Trade List for 1912. For florists, nurserymen and dealers only. Contains a ready reference list of roses that will be found very useful.

Elm City Nursery Co., New Haven, Conn.—Evergreens, Herbaceous Plants, Trees and Shrubs, Strawberry Plants, for Autumn Planting. A very classy catalogue.

Sioux City, Iowa—The Bishop Greenhouses, Davis and 28th streets, was damaged by fire to the extent of about \$500 on August 26. No insurance.

V. E. Reich of Brooklyn, N. Y., reports a very busy time with his specialty, the new improved double-glass sash. Being absolutely waterproof and a great protection from frost, it should have a flourishing future.

PUBLICATIONS RECEIVED.

The Department of Horticulture, University of Illinois, has issued two pamphlets, one on floriculture as taught at the college and the other giving the results of research and experiments in floriculture during the past year by H. B. Dorner, and a paper on Carnation Stem Rot, by H. W. Anderson.

Bulletin No. 8, July, 1912, of the American Association of Park Superintendents, contains many very practical contributions by the leading park superintendents and others on matters of park development, equipment and general management. It is a useful document of 32 pages.

The Special Park Commission's pamphlet No. 5, of the Chicago parks system has sent out a very valuable illustrated pamphlet by City Forester J. H. Prost on "Trees and Lawns for Streets." Planting methods, care, prevention of diseases and control of insects are all fully explained and should be an influential factor in developing a popular movement for the more general planting of trees in the city thoroughfares.

INCORPORATED.

Sacramento, Cal.—Superior Seed Co., capital stock \$10,000.

Kalamazoo, Mich.—Prudential Nursery Co., capital stock \$20,000.

Marshalltown, Ia.—Marshalltown Seed Co., capital stock \$10,000.

Martinsburg, W. Va.—Union Corner Orchard Co., capital stock \$50,000. Incorporators, H. A. Hammann, M. L. Dorn, S. S. Felker, W. S. Snyder, and A. C. Nadebousch.

New York, N. Y.—The Flower Auction Co. held their first sale at the 28th street store on the 10th inst., the catalogue containing palms, ferns and decorative plants. Although the number of buyers was somewhat limited the sale was so far successful that the promoters said they were quite satisfied with the result.

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Of Interest to Retail Florists

Denver, Colo.—W. D. Black, florist, 1455 Broadway, has moved to 235 Fifteenth street.

Nokomis, Ill.—Mrs. R. O. Henderson, of Pana, has purchased the flower stock of Edgar Easterday. Mr. Easterday will grow vegetables hereafter.

Attleboro, Mass.—Howard Vose, proprietor of the Flower Shop, South Main street, has leased the Newell Greenhouses, 141 Park street. He will combine this with his other business.

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow...Sept. 27

American.

St. Paul, N. Y.-Southampton...Sept. 21

St. Louis, N. Y.-Southampton...Sept. 28

Atlantic Transport.

Minnetonka, N. Y.-London...Sept. 21

Minnehaha, N. Y.-London...Sept. 28

Cunard.

Laconia, Boston-Liverpool...Sept. 17

Lusitania, N. Y.-Liverpool...Sept. 18

Saxonia, N. Y.-Mediterranean...Sept. 19

Caronia, N. Y.-Liverpool...Sept. 21

Campania, N. Y.-Liverpool...Sept. 25

Hamburg-American.

Pres. Grant, N. Y.-Hamburg...Sept. 18

Amerika, N. Y.-Hamburg...Sept. 19

Hamburg, N. Y.-Hamburg...Sept. 21

Cincinnati, N. Y.-Hamburg...Sept. 25

Holland-America.

Rotterdam, N. Y.-Rotterdam...Sept. 17

Potsdam, N. Y.-Rotterdam...Sept. 24

Leyland.

Winifredian, Bos.-Liverpool...Sept. 21

Canardian, Boston-Liverpool...Sept. 28

North German Lloyd.

Kronp. Wilhelm, N. Y.-Bmn...Sept. 17

Fr'd'ch der G., N. Y.-Bremen...Sept. 19

Pr. Fr'd'ch Wil., N. Y.-Bmn...Sept. 21

K. Wilhelm II, N. Y.-Bremen...Sept. 24

Koenigen Luise, N. Y.-Bmn...Sept. 28

Red Star.

Finland, N. Y.-Antwerp...Sept. 21

Vaderland, N. Y.-Antwerp...Sept. 28

White Star.

Adriatic, N. Y.-Liverpool...Sept. 19

Oceanic, N. Y.-Southampton...Sept. 21

Arabic, Boston-Liverpool...Sept. 24

Baltic, N. Y.-Liverpool...Sept. 26

Olympic, N. Y.-Southampton...Sept. 28

Canopic, Boston-Mediterranean...Sept. 28

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Albany, N. Y.—The Rosery, 76 Maiden Lane.

Amsterdam, N. Y.—John C. Hatcher, Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Ed. MacMulkin, 194 Boylston St.
Boston—Penn, the Florist, 37-43 Bromfield St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Philip L. Carbone, 342 Boylston St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Detroit, Mich.—Florists' Telegraph Deliveries, 153 Bates St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Washington Sq.

New York—George M. Stumpp, 761 Fifth Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th

New York—Dards, N. E. cor. 44th St. and Madison Ave.

Providence, R. I.—T. J. Johnston & Co., 171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main St., West.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.

San Francisco, Cal.—The California Florist, 344-346 Geary St.

San Francisco, Cal.—Pellicano, Rossi & Co., 123 Kearny St.

Scherectady, N. Y.—J. C. Hatcher, St. Paul—Holm & Olsen, Inc.

Toronto, Can.—J. H. Dunlop, 93 Yonge St.

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Am. Beauty, Fancy and Special....	15.00 to 25.00	20.00 to 25.00	15.00 to 25.00	20.00 to 25.00
" Extra	10.00 to 15.00	15.00 to 20.00	..... to 10.00	15.00 to 20.00
" No. 1	6.00 to 8.00	10.00 to 15.00	..... to 8.00	10.00 to 15.00
" Lower Grades	1.00 to 4.00	3.00 to 6.00	3.00 to 4.00	4.00 to 8.00
Killarney, Richmond .....	.50 to 5.00	3.00 to 6.00	..... to 5.00	2.00 to 8.00
My Maryland, Kaiserin, Carnot....	.50 to 6.00	2.00 to 8.00	..... to	2.00 to 8.00
Bride, Maid .....	.50 to 4.00	6.00 to 8.00	3.00 to 4.00	..... to
Taft, Hillingdon, Ward .....	.50 to 5.00	4.00 to 5.00	..... to	2.00 to 8.00
CARNATIONS .....	.50 to 1.50	1.50 to 2.00	1.00 to 1.50	1.00 to 3.00
MISCELLANEOUS				
Cattleyas	50.00 to 75.00	50.00 to 60.00	40.00 to 50.00	..... to 75.00
Lilies, Longiflorum	4.00 to 6.00	5.00 to 6.00	6.00 to 8.00	..... to 12.50
" Spectosum .....	..... to 3.00	..... to .....	..... to .....	..... to
Lily of the Valley	2.00 to 3.00	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Gladioli	1.00 to 2.00	2.00 to 3.00	1.50 to 5.00	2.00 to 5.00
Asters .....	.15 to 1.00	1.00 to 2.00	1.00 to 3.00	1.00 to 2.00
Daisies .....	..... to .50	.25 to .50	.15 to .35	..... to
Sweet Peas .....	.15 to .50	.30 to .50	.15 to .25	..... to
Gardenias .....	..... to 25.00	..... to .....	..... to .25	..... to 15.00
Adiantum .....	..... to 1.00	.75 to 1.00	1.00 to 1.25	1.00 to 1.50
Smilax	8.00 to 12.00	15.00 to 20.00	12.00 to 15.00	15.00 to 20.00
Asparagus Plumosus, Strings (100) to 50.00	40.00 to 60.00	35.00 to 50.00	35.00 to 50.00
" " & Spreng. (100 Bchs.)	25.00 to 50.00	25.00 to 50.00	15.00 to 25.00	35.00 to 50.00

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Flower Market Reports

BOSTON The close of last week and beginning of the present week were fairly satisfactory in a business way, but at present writing things are more than torpid—a condition to which the Jewish holiday observance has contributed in part. There is a very heavy over-production of asters and gladioli, which are all right as to quality but beyond that they are a dead weight. Roses were doing fairly well, but the effect of two days of unusually high temperature and humidity has been very detrimental to them, as it has also been to the longiflorum lilies, which are very fine in all respects, except as to substance and keeping qualities. American Beauty seems to stand the strain somewhat better than the other roses. There are some nice gardenias coming in, but demand is very limited. Carnations are more abundant and fairly good for the season.

BUFFALO Business for the past two weeks has been anything but good. The market has been overcrowded on everything along the line; in fact, an outlet for the vast amount of stock received daily cannot be located. The heavy rains of ten days ago brought on the asters and gladioli and a heavy supply has continued. High prices are out of the question, it being a matter of "how much will you give?" Roses are also in heavy supply, especially short stems and a good portion have stems no longer than three to four inches, though there are some choice stock seen such as Kaiserin, Carnot, Sunburst, Maryland, Radiance and Hillingdon. Lily of the valley has had a little demand, also select white roses. July weather is bad and stock has suffered much, shipments of roses arriving in full open condition. A scattering of floral work has helped things along and also a few weddings are noticeable.

CHICAGO The Chicago market has been badly glutted with a poor grade of flowers while really good shipping stock has been scarce. The greatest oversupply has been in asters and gladioli and while there are still far too many offered the stock of asters is nearing the end. When asters can be bought for less than one dollar per hundred the effect upon sales of other flowers is bound to be felt. What the market needs most of all is cooler weather and then there would soon be enough good flowers and a demand for them. The few days of cool weather gave a sudden impetus to trade which was quickly dispelled when the thermometer rose again.

CINCINNATI This week's business bids fair to be a good one. We have had three good days to start with and the close certainly ought not to lag very far behind the first half of the week. The rose supply is good and adequate, pink enjoying a somewhat better call than white, of which the fancy only have been selling quickly. The Richmond cut is large. Beauties have been a leading factor all summer and are easily upholding their end. Of carnations the principal variety offered, to date, has been Enchantress. A few white and red are also included

A Magnificent Lot of Field Grown CARNATION PLANTS



Our guarantee goes with every carnation plant we send out, thus insuring you the very best of quality and satisfaction.

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COMFORT	8.00	75.00
HARRY FENN	7.00	60.00
BEACON	8.00	75.00
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WHITE PERFECTION	8.00	75.00
WHITE WONDER	9.00	85.00
ALMA WARD	8.00	70.00
GLORIOSA	10.00	90.00
MRS. C. W. WARD	8.00	75.00
ENCHANTRESS	8.00	70.00
ROSE-PINK ENCHANTRESS	8.00	60.00
PRINCESS CHARMING	10.00	
DOROTHY GORDON	8.00	60.00
WINONA	7.50	60.00
BROOKLYN	12.00	100.00
QUEEN	6.00	50.00
BOSTON MARKET	6.00	50.00

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GREEN GALAX, \$1.50 per 1000; \$7.50 per 10,000.
BRONZE GALAX, \$1.50 per 1000; \$8.50 per 10,000.
LEUCOTHOE SPRAYS (green), \$1.00 per 100; \$9.50 per 1,000.
GREEN SHEET MOSS, \$3.50 per bag.
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NEW YORK
117 W. 28th St.

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1212 New York Ave.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI September 10	DETROIT August 27	BUFFALO September 10	PITTSBURGH September 10
ROSES				
Am. Beauty, Fancy and Special....	15.00 to 25.00	20.00 to 25.00	15.00 to 20.00	20.00 to 25.00
" Extra	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00	12.50 to 15.00
" No. 1	6.00 to 10.00	12.00 to 15.00	6.00 to 10.00	6.00 to 8.00
" Lower Grades	3.00 to 6.00	4.00 to 10.00	2.00 to 4.00	2.00 to 3.00
Killarney, Richmond	2.00 to 6.00	3.00 to 6.00	..... to	3.00 to 8.00
My Maryland, Kaiserin, Carnot....	2.00 to 6.00	3.00 to 6.00	..... to .....	..... to
Bride, 'Maid	2.00 to 4.00	3.00 to 6.00	2.00 to 6.00	..... to
Taft, Hillingdon, Ward	2.00 to 6.00	3.00 to 6.00	3.00 to 6.00	3.00 to 8.00
CARNATIONS	1.00 to 1.50	1.00 to 2.50	1.00 to 2.00	..... to 2.00
MISCELLANEOUS				
Cattleyas .....	..... to .....	..... to	40.00 to 50.00	50.00 to 60.00
Lilies, Longiflorum	8.00 to 10.00	10.00 to 15.00	7.00 to 10.00	..... to 10.00
" Speciosum	2.00 to 4.00	..... to	3.00 to 4.00	..... to 4.00
Lily of the Valley .....	..... to	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Gladioli	1.00 to 3.00	1.50 to 4.00	1.00 to 3.00	2.00 to 5.00
Asters .....	.50 to 2.00	1.00 to 2.00	.50 to 1.50	.50 to 3.00
Daisies .....	..... to .....	..... to .....	..... to .....	..... to
Sweet Peas .....	..... to .....	..... to .....	.25 to .50	..... to
Gardenias .....	..... to .....	..... to .....	..... to .....	..... to
Adiantum .....	..... to 1.00	1.00 to 1.50	.50 to 1.50	1.00 to 1.75
Smilax	10.00 to 12.50	..... to 15.00	..... to 15.00	..... to 15.00
Asparagus Plumond, Strings (100)	40.00 to 50.00	15.00 to 25.00	40.00 to 50.00	30.00 to 50.00
" & Spren. (100 bchs.)	25.00 to 35.00	15.00 to 25.00	25.00 to 50.00	15.00 to 35.00

in the shipments. New York asters are a welcome addition to the supply. The Comet varieties are not as popular as the others in the buyers' estimation. White asters continue on the short side and every good one that comes in finds a ready sale. The gladiolus supply is decreasing rapidly and receipts are just about able to take care of the demand. More Easter lilies might be used. Last Saturday proved a very good day in the Flower Market for both plants and flowers.

Last week business had **DETROIT** dropped out completely, but this week it was much better and many bookings for fall weddings make us feel that the season of activity will soon be upon us. To discuss stock and its value is

a most precarious thing just now. Roses are coming in by the thousands, as are also gladioli and asters. During this hot spell the roses arrive mostly blown so that at the end there are very few good ones to choose from. Gladioli helps out some but they have a great competitor in the form of lancifolium lilies. Unlike the past two or three seasons asters are very good and even the best are greatly in excess to the demand. To add to the retailer's troubles he finds every day several autos to stop in front of his store and her ladyship bringing the choice aster product of her country place to him for sale. Of course her ladyship is very much put out to be told that there is no demand for them.

(Continued on p. 4)

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THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Sept. 7 1912		First Half of Week beginning Sept. 9 1912	
American Beauty, Fancy and Special	10.00	to 15.00	10.00	to 25.00
" " Extra	6.00	to 12.00	6.00	to 12.00
" " No. 1	2.00	to 5.00	4.00	to 6.00
" " Lower Grades	1.00	to 2.00	1.00	to 3.00
Killarney, Richmond	.25	to 4.00	.35	to 4.00
My Maryland, Kaiserin, Carnot	.25	to 4.00	.50	to 4.00
Bride, Maid	1.00	to 2.00	1.00	to 2.00
Taft, Hillingdon, Ward	.25	to 4.00	.50	to 4.00
Carnations	.50	to 1.00	.50	to 1.00

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Shipments, any quantity, Whole-
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Manufactured by
W. J. COWEE, Berlin, N. Y.
10,000...\$1.75. 50,000...\$7.50. Sample free
For sale by dealers



Flower Market Reports

(Continued from page 359)

There has been a little change in the prices of American Beauty roses. Quality continues to improve, and the demand is all that can be expected. Richmond has made its appearance again and will be quoted soon as one of our regular staples. Perles have been unusually good sellers of late—consequently, it is said, on the Jewish holidays which call for a showy flower in a yellow rose. The late asters are now in their glory and are one of the leading features of the market. Gardenias have hardened up considerably in price, consequent on their more general use as a substitute for the cattleya—which still remains very scarce. The second week of the dahlia season finds the market well supplied with the good early varieties, such as Sylvia, Lyndhurst, Arabella, Lemon Beauty and others. Gladioli are still an important factor, and are of excellent quality. Some of the first cuts of the new carnation crop are coming in and are very good for so early in the season, although only medium as to stem. New crop chrysanthemums have made their appearance in limited quantities—Smith's Advance and Golden Glow being the principal varieties so far. Tritomas are not so plentiful this fall as these plants suffered from the severe winter.

The past week has been a repetition of many preceding ones, with the difference that dahlias have been coming in to assist in the glut of asters. The cut of American Beauty roses is improving, the demand, too, being good with prices a little better. Maryland, Taft, Hillingdon, Ward and Richmond are in plenty, but have suffered greatly from the hot spell we are now having. Carnations are of no account, but Lilium longiflorum and gladioli are as plentiful as ever. Gardenias are very scarce and orchids are in little demand.

The market was very dull the last week.

There was plenty of stock and low prices prevailed on all. Roses have been a regular glut and the wholesalers have been obliged to get rid of them at once at very cheap prices. The same goes for asters, which have been coming in quite heavy of late from the eastern markets. There are also quite a lot of carnations with short stems and good flowers. During the last week some

WELCH BROS. CO.

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383-387 ELLICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Sept. 7 1912	First Half of Week beginning Sept. 8 1912
Cattleyas	35.00 to 100.00	35.00 to 100.00
Lilies, Longiflorum	3.00 to 4.00	2.00 to 5.00
" Speciosum	1.00 to 3.00	1.00 to 2.00
Lily of the Valley	1.00 to 3.00	1.00 to 3.00
Gladioli .....	.50 to 3.00	.50 to 2.00
Asters .....	.10 to 1.00	.50 to 1.00
Daisies .....	.50 to 1.00	.50 to 1.00
Sweet Peas (per 100 bunches) .....	..... to	1.00 to 2.00
Gardenias .....	..... to	15.00 to 20.00
Adiantum .....	.50 to .75	.50 to .75
Smilax	6.00 to 8.00	6.00 to 8.00
Asparagus Plumosus, strings .....	..... to 35.00	..... to 35.00
" " & Spreu (100 bunches)	8.00 to 12.00	8.00 to 12.00

of the Chicago growers have been using our market for a dumping ground for their surplus but the hot weather caused them to come in very bad condition and very little was gotten for them. Business is dull!

Business during the past week has seen no improvement over that of previous weeks for some time past. There are still plenty of asters and a large amount of these have remained unsold. Roses are coming in good but they have to be A1 in order to obtain a buyer. Carnations are improving in quality. The retail market as a whole has been very draggy. With the weather continuing hot, conditions will remain as they now are and it will take some cold weather to bring relief.

PHILADELPHIA NOTES.

Alva R. Jones, head of the Pennock-Meehan forces at the Philadelphia headquarters, has just returned from a three weeks' vacation looking hale and hearty.

The House of Rice has had in the past ten days more visitors from out-of-town than any year previous. Florists must be traveling more than ever—hardly a day passes without one or two visitors and they are coming from every section of the country. Night work was the rule last week on account of the rush for fall baskets.

John Berger, of Berger Bros., thinks Maine is all right for a vacation except that the black flies are pretty troublesome—although the natives swear that that idea is all imaginary. Remarkable coincidence that, about the native idea. The Jersey natives say the same thing—about the mosquitoes. And yet both natives go to church and praise the Lord. Why don't they also fall upon the aborigines with fire and sword?

Visitors: Mr. Shone of the J. M. Gasser Co., Cleveland, Ohio; Messrs. Jones and Barberer of the Jones & Russell Co., Cleveland, Ohio; S. B. Dicks, representing Cooper, Taber &

Co., London, England; M. C. Ebel, of the Aphine Mfg. Co., Madison, N. J.; Chas. Loechner, of New York City; W. J. Vesey, Fort Wayne, Ind.; James B. Kidd, New York City; Mr. and Mrs. John Walker and Miss Sweeney, Youngstown, Ohio; Mr. and Mrs. John Epstein, San Francisco, Cal.; William Marche, Washington, D. C.; A. J. Reichert, Buffalo, N. Y.

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Galax, Boxwood, Laurel
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Water hyacinths, the oddest, most beautiful and valuable plants; extra strong, in the finest condition; \$5.00-100. \$35.00-1000; second grade, \$3.00-100, \$18.00-1000. Blooming water hyacinths make leaders at 25c. retail. Cash, please. Texas Nursery & Floral Co., Box 178 Alvin, Tex.

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Godfrey Aschmann, Philadelphia, Pa.
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ASPARAGUS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.

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Asparagus plumosus, 2½ in. pots, at \$4.00 per 100. Ruxton Floral and Nursery Co., Ruxton, Md.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Loechner & Co., New York, N. Y.
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McHutchison & Co., 17 Murray St., N. Y.
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Bobbink & Atkins, Rutherford, N. J.
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August Roelker & Sons, 31 Barclay St., New York.
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Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

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Begonia Lorraine, \$12.00 per 100; \$50.00 per 500. Julius Roehrs Co., Rutherford, N. J.

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Box Trees, all sizes. Ask for special list.

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Freesia Bulbs.
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Ralph M. Ward & Co., 71 Murray St., New York.
Horseshoe Brand Lilies and French Bulbs.
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James Vick's Sons, Rochester, N. Y.
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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
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P. H. Goodsell, New York, N. Y.
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Bulbs of all descriptions. Write for prices. C. Keur & Sons, Hillegom, Holland.
New York Branch, 31-33 Broadway.

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MacRorie-McLaren Co., San Francisco, Cal.
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Weeber & Don, New York, N. Y.

CAMPANULA

Campanula medium, 2½ in. pots, fine for growing for Easter, \$3.00 per 100. Cash. A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

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CAPE JASMINE

Cape Jasmine, fine cuttings, 8 inch and over, ready for rooting; 100 \$1.00, 1000 \$8.00, prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

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Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

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George Peters & Sons, Hemstead, N. Y.
Field-Grown Carnation Plants.
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B. G. Merritt & Co., Gaugre, Md.
Field-Grown Carnations.
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To close out. Field-grown pinks, 700 Penns, 700 White Perfections, fine stock, \$4.00 per 100 or \$40.00 for the lot. Sample sent on request. F. E. Palmer, Brookline, Mass.

Field-grown carnation plants. Clean, healthy and strong plants. 1175 W. Enchantress, 1100 White Perfection, 1370 R. P. Enchantress, 770 Enchantress, 210 Dorothy Gordon, 225 Beacon, 50 O. P. Bassett, 6c. 550 Winsor, 5c. Cash. Atwell, Florist, Fort Dodge, Iowa.

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Williams, Utica, N. Y.

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Strong transplanted Giant Pascal, Giant Golden Heart, Winter Queen, 25c. per 100; \$2.00 per 1000. Bryn Mawr Florist Co., Yonkers, N. Y.

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CHRYSANTHEMUM, THE. By A. Herrington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 160 pages. Price 50 cents.

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Cyclamens, 3-inch pots, \$10.00 per 100; \$80.00 per 1000. Julius Roehrs Co., Rutherford, N. J.

CYPERUS

Cyperus alternifolius, 3½ in. pots, very bushy and compact, \$8.00 per 100. Cash. A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

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DEUTZIA

Deutzia gracilis, specially grown for Easter forcing, very bushy, \$15.00 per 100. Cash. A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

DOUBLE CLAW HAMMER

Double Claw Hammer Co., Brooklyn, N. Y.
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Dracaena indivisa, 5 in. pot-grown, ready for repotting, excellent value, \$25.00 per 100. Cash. A. L. Miller, Jamaica Ave., opposite Schenck, Brooklyn, N. Y.

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United Fertilizer Co., Chicago, Ill.
Evergreen Brand Fertilizer.
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Wizard Brand Cattle Manure.
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Ferns for Dishes.
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Adiantum cuneatum, 4 in., \$8.00 per 100.
Wm. Capstick, Aburndale, Mass.

Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
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Anderson, Fern Specialist, Short Hills, N. J.

Fern runners, fine stock Boston, Whit-
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very fine, \$6.00 per 100, \$50.00 per 1000.
Roosevelt, 4-inch, \$15.00 per 100, 5-inch,
\$25.00 per 100. Asparagus Plumosus, 4-
inch, handsome stock, \$8.00 per 100, 50,000
sq. ft. of glass at Cleveland, O., devoted
exclusively to ferns. I have the best stock
to be had anywhere. Prices are low, for
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O.

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M. Rice & Co., Philadelphia, Pa.
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Boston, Mass.
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N. F. McCarthy & Co., 112 Arch St.,
Boston.
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H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass., and
46 W. 26th St., New York.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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S. S. Pennock-Meehan Co., Philadelphia,
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H. Bayersdorfer & Co., 1129 Arch St.,
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Welch Bros. Co., 226 Devonshire St.,
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John Lewis Childs, Flowerfield, N. Y.
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Standard Plate Glass Co., 26-30 Sudbury
St., Boston.
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Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.
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Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.
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Parshelsky Bros., inc., 215-217 Havermeyer
St., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH

Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish foods, nets,
etc., wholesale. Franklin Barrett, breeder,
4815 D St., Olney, Philadelphia, Pa. Large
breeding pairs for sale. Send for price list.

GERANIUMS

R. Vincent, Jr., & Sons Co., White Marsh,
Maryland.
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NEW GERANIUM "HELEN MICHELL"
The best clear scarlet Bedding Geranium
ever offered. See Adv., page 384. 2 1/4 in.
plants (ready from January, 1913), \$2.50
per doz.; 100, \$15.00; \$125.00 per 1000.
Orders Booked Now.

MICHELL'S SEED HOUSE,
Philadelphia, Pa.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
Boston.
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King Construction Co., N. Tonawanda, N. Y.
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Metropolitan Material Co., Brooklyn, N. Y.
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Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
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Frank Van Assche, Jersey City, N. J.
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S. Jacobs & Sons, Brooklyn, N. Y.
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V. E. Reich, Brooklyn, N. Y.
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Charles H. Dodd, Jersey City, N. J.
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Wm. H. Lutton, Jersey City, N. J.
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Pierson U-Bar Co., Madison Ave., New York.
Designer and Builder.

Frank Van Assche, Jersey City, N. J.
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HAIL INSURANCE

Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
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Michigan Cut Flower Exchange,
38 and 40 Broadway, Detroit, Mich.
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Hartford & McDonough, Boston, Mass.
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V. E. Reich, Brooklyn, N. Y.
Double Glass.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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HYDRANGEAS

Hydrangea Otaksa, 4 inch, pot grown,
at \$8.00 per hundred. Ivy, field grown,
at \$60.00 per thousand. A. L. Miller,
Brooklyn, N. Y.

INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.

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Stumpff & Walter Co., New York.
Kilnhead Tobacco Dust.

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N. Y.
Slug Shot.

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Kentucky Tobacco Product Co.,
Louisville, Ky.
Nico-Fume.

IVIES

English Ivy, strong, at \$8.00 and \$12.00
per 100. C. Winterich, Dedance, O.

JAPANESE LILIES

Lochner & Co., New York, N. Y.
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KILNHEAD TOBACCO DUST

Stumpff & Walter Co., 50 Barclay St., N. Y.
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**LANDSCAPE ENGINEERS AND CON-
TRACTORS**

Fairfield Landscape & Nursery Co.,
New York, N. Y.

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In writing to Advertisers kindly mention Horticulture

LEMON OIL

Lemon Oil Co., Baltimore, Md.
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FLOWER POTS.

W. H. Ernest, 28th and M Sts.,
Washington, D. C.

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McHutchison & Co., 17 Murray St., N. Y.

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R. M. Ward & Co., New York, N. Y.

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Horse Shoe Brand

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MASTICA

F. O. Pierce Co., New York, N. Y.

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MUSHROOM SPAWN

J. M. Thorburn & Co., New York, N. Y.

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NARCISSUS BULBS

50,000 Poeticus (Pheasant's Eye), \$1.25

1000. E. W. Plater, Carbondale, Ill.

NICO-TUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NURSERY STOCK

P. Ouwkerk, Weehawken Heights, N. J.

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Hardy, Northern Grown Stock.

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Bobbink & Atkins, Rutherford, N. J.

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August Roelker & Sons, 31 Barclay St., N. Y.

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Charles E. Frankenhach & Sons,
Southampton, N. Y.

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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

NURSERY STOCK—Continued
TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.

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Sander, St. Albans, England.

Importer, Exporter, Growers, Hybridists.

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ORCHID GROWERS' MANUAL.

By B. S. Williams, 300 illustrations, 800
pages; descriptions of upwards of 2500
species and varieties of orchidaceous
plants, etc. The most complete work on
Orchids and Orchid Culture ever pub-
lished. Price \$10.00.

Orders filled by HORTICULTURE, 11
Hamilton Place, Boston.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries,
Rosindale, Mass.

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Bobbink & Atkins, Rutherford, N. J.

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Godfrey Aschmann, Philadelphia, Pa.

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Robert Craig Co., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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Joseph Heacock, Wyncote, Pa.

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Loechner & Co., New York, N. Y.

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August Roelker & Son, 31 Barclay St., N. Y.

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Julius Wolff, Jr., Philadelphia, Pa.

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PANDANUS

Pandanus utilis, 3 1/2 in. pots, \$12.00 per
100. Cash. A. L. Miller, Jamaica Ave.,
opposite Schenck, Brooklyn, N. Y.

PAPER POTS

Paper Pots: 5000 3 in., 85; 2 1/2 in., 84;
2 in., 83. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.

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Foley Mfg. Co., Chicago.

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A. T. Stearns Lumber Co., Boston, Mass.

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PECKY CYPRESS BENCHES

Peonies. The world's greatest collection,
1200 sorts. Send for list. C. Beischer,
Canal Dover, O.

Peony roots, white, pink, red and yellow,
\$3.00 per 100 and up. Send for list.

Thomas J. Oberlin, Sinking Spring, Pa.

PHOENIX ROEBELINI

F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.

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PLANT AND BULB IMPORTS

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PLANT TRELLISES AND STAKES

Seale's Tieless Plant Stakes and Trel-
lises. H. D. Seale & Sons, Elkhart, Ind.

Plant Trellises and Stakes. P. A. Angier
& Co., Westboro, Mass.

PLANT TUBS

H. A. Drer, Philadelphia, Pa.

"Riverton Special."

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.

Kroeschell Bros. Co., 466 Erie St., Chicago.

POINSETTIAS

A. Henderson & Co., Chicago, Ill.

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S. S. Skidelsky, Philadelphia, Pa.

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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

POULTRY AND FRUIT REVIEW

The Rex Company, Harrisburg, Pa.

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PRIMULAS

Primula malacoides, 4 in. pots, at \$8.00
per 100; 2 1/2 in. pots, at \$4.00 per 100.

Primula obconica (best strain), 2 1/2 in. pots,
at \$3.00 per 100. Ruxton Floral and Nur-
sery Co., Ruxton, Md.

Chinese primroses, extra fancy double
and single, mixed, 3 1/2-inch, \$8.00 per 100,
\$70.00 per 1000; 2 1/2-inch, \$3.00 per 100,
\$25.00 per 1000. Primula obconica grandiflora,
fancy, good mixed colors, 3 1/2-inch,
\$5.25 per 100, \$50.00 per 1000. 250 at 1000
rate. Try them. Alonzo J. Bryan, Wash-
ington, N. J.

Primulas, all 1-inch pots. Malacoides,
Chinese, Forbesi, obconica alba, rosea, lilac,
rubra, hybrida, compacta, carmine, blue,
sanguinea, giant rosea, giant mixed, Ke-
wensis, \$1.50 per 100. All fine, strong
stock. Cash. Byer Bros. Chambersburg,
Pa.

PRINTING

The Rex Company, Harrisburg, Pa.

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RAFFIA

McHutchison & Co., 17 Murray St., N. Y.

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McCray Refrigerator Co., Kendallville, Ind.

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Bobbink & Atkins, Rutherford, N. J.

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A. N. Pierson, Cromwell, Conn.

Bedding Roses.

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Bobbink & Atkins, Rutherford, N. J.

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Wood Bros., Fishkill, N. Y.

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400 Radiance Roses, 4 in. pots, at \$10.00
per 100. 200 Golden Gate 4 in. pots, at
\$8.00 per 100. Ruxton Floral and Nursery
Co., Ruxton, Md.

PEAT

J. H. Sprague, Barnegat, N. J.

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Summer Houses, Furniture, etc.
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Contract Seed Growers.
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Oklahoma Seed Growers Co., Enid, Okla.
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SEEDS

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Felix & Dykhuys, Boskoop, Holland.
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Asparagus Plumosus Nanus seeds now ready, per 1000, \$2.25; lots up to 5000, \$2.00 per 1000. Peter Mack, Box 172, Orlando, Fla.

SHEEP MANURE

Wm. Elliott & Sons, 42 Vesey St., New York, N. Y.
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SLUG SHOT

B. Hammond, Fishkill-on-Hudson, N. Y.
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SPHAGNUM MOSS

J. H. Sprague, Barnegat, N. J.
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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

STOVE PLANTS

Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

STRAWBERRY PLANTS

P. H. Goodsell, New York, N. Y.
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Fall Bearing Strawberry Plants, best varieties. Catalogue free. Basil Perry, Cool Spring, Delaware.

SWEET PEAS

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The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
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Quaker City Machine Works,
Richmond, Ind.
20th Century Arm.
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Daniel Hiffe, Boston, Mass.
Greenhouse Heating and Ventilating.
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VIOLETS

Violets, Prince of Wales, strong, healthy, field plants, \$6.00 per 100; \$55.00 per 1000. Charles Lenker, Freeport, L. I., N. Y.

VINCAS

Vincas, variegated and green. Extra fine field-grown clumps, very branchy, can be divided, ready now, \$5.00 per 100; \$45.00 per 1000. Send orders early and we ship when you are ready. Try them. Alonzo J. Bryan, Washington, N. J.

WIRED TOOTHPLICKS

W. J. Cowee, Berlin, N. Y.
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WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

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New Offers In This Issue**BEGONIA GLORY OF CINCINNATI.**

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PERMITS FOR IMPORTATION OF NURSERY STOCK.

Forms of application for permission to import nursery stock under the new law which goes into effect October 1, will be supplied to importers on application to the Federal Horticultural Board, Department of Agriculture, Washington, D. C.



DREER'S
Florist Specialties.
New Brand. New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.
The HOSE for the FLORIST
1/2-inch, per ft., 15 c.
Reel of 500 ft., "14 c.
2 Reels, 1000 ft., "14 c.
1/2-inch, "13 c.
Reels, 500 ft., "12 1/2 c.
Couplings furnished
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All kinds of Repairing on Steam or Hot Water Outfits, Retubing Boiler, Packing, etc.

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Seals, Steel Stamps, Hotel Baggage and Key Checks, Badges, Burning Brands, Pew Numbers, Numbering Machines, Check Proctors, Stencil Combinations, Steel Alphabets and Figures, Indelible Inks, Stencil Colors and Brushes, Door Plates, Rubber Type. Illustrated Catalogue of nearly 100 pages sent with first order or upon receipt of 5 two-cent stamps. Agents wanted.

THE REX COMPANY, Harrisburg, Pa.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Ham-liton Place, Boston.

HELP WANTED.

WANTED

YOUNG MAN of good address and some experience as assistant in florist store in suburb of Boston. Address P. E., Care HORTICULTURE.

WANTED—Good grower of palms, etc., with commercial experience. A. Leuthy, Roslindale, Mass.

WANTED—A well trained and reliable seedsman in old established house. Address "A. Z.," care HORTICULTURE.

FERTILIZER AGENTS WANTED—To handle Shell-Marl Land-Lime and other materials. Exclusive agency, liberal commission. Vermont Marl Co., Brattleboro, Vt.

EXPERIENCED MAN as greenhouse assistant and designer on small retail place. Strictly temperate. Give references and salary expected. "S. H.," care HORTICULTURE.

WANTED—Assistant gardener for gentleman's place. Must have greenhouse experience. State qualifications and wages expected without board. Address John B. Roy, 141 Cove Road, Stamford, Conn.

COUPLE WANTED for farm, man to care for vegetables, lawns, shrubs, etc., woman as cook and laundress. Permanent position if satisfactory. Give references and salary wanted. "J. L.," care HORTICULTURE.

SITUATIONS WANTED

SITUATION WANTED—By a gardener, florist; Swedish; married, one child. Private place preferred. "K. G.," care HORTICULTURE.

SITUATION as superintendent of estate and home farm wanted by Englishman of life experience. Age 41, married, best of references. "L. J.," care HORTICULTURE.

YOUNG single man wishes to take full charge of a commercial or private place. Eight years' experience. Can furnish best of references. "H. G.," care HORTICULTURE.

GARDENER on private place seeks situation. English, 17 years' experience in England and this country. Understands growing fruit, vegetables and flowers under glass and outside. Best references. "A. A.," care HORTICULTURE.

SITUATION WANTED on private estate. Years of experience in growing flowers and decorative plants under glass, also outside gardening, hardy perennials, etc. Can furnish best of references. Address W. B. Nilson, Waban, Mass.

EXPERIENCED grower of mums, carnations, cyclamen, nursery stock and vegetables under glass seeks position. Graduate in horticulture and floriculture. Position near Philadelphia preferred. Give wages and particulars. "A. T.," care HORTICULTURE.

COLLEGE GRADUATE desires a position with nursery company or landscape architect, to design and execute planting, make sketches and estimates, wait on customers, etc. Studied landscape architecture at college and has had a year with a landscape architect. Thorough knowledge of plants. Address "L. A.," care HORTICULTURE.

FOR SALE

GREENHOUSE property for sale, Wood-lawn Ave., Everett, Mass., belonging to Wm. Christie, Florist. Three houses—2, 20 x 100, 1, 12 x 40; dwelling house, stock, etc., included; 52,428 feet of land. Call on premises.

FOR SALE. Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

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CATTLE MANURE

Pure, Dry, Safe and Reliable

The best of all manures for Roses. Clean, convenient and economical for top-dressing and mulching. Unequalled for potting soil.



PULVERIZED

SHEEP MANURE

There is a reason why Wizard Brand Sheep Manure is more extensively used by Florists than any other:—Best for Carnations and Chrysanthemums—Best for making bench soil—liquid manuring—and field work. Ask for our Growers' Booklet and know why Wizard Brand leads

THE PULVERIZED MANURE CO., - - 31 Union Stock Yards, CHICAGO



Guaranteed under the Insecticide Act, 1910. Serial No. 321

Save your plants and trees. Here is an insecticide that will positively destroy all insects—Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, etc. without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/2 Pint - - 25c; Pint - - 40c; Quart - - 75c
1/2 Gallon, \$1.25; Gallon, \$2.00; 5 Gallon Can, \$9
10 Gallon Can - - \$17.50

Dilute with water 30 to 50 parts

For Sale by Seedsmen and Florists' Supply Houses

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420 W. Lexington St., Baltimore, Md.
Directions on every package

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Unrivalled for all floricultural and horticultural purposes.

GENUINE PLANT FOOD

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Manufacturers

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To-Bak-Ine Kills Bugs

Catalogue of valuable information FREE

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USED FROM OCEAN TO OCEAN FOR 29 YEARS.

Sold by Seed Dealers of America.

Saves Currants, Potatoes, Cabbage, Melons, Flowers, Trees and Shrubs from Insects. Put up in popular packages at popular prices. Write for free pamphlet on Bugs and Blights, etc., to B. HAMMOND, Fishkill-on-Hudson, New York.



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Green Flies and Black Flies Too are easy to kill with

"TIP-TOP" BRAND

Tobacco Powder

For fumigating or dusting. \$3.00 per bag, 100 lbs. Write for free samples. Money with order.

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Money refunded if not satisfied. Beware of imitations. Territory open for live tobacco. Write for prices.

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THE IDEAL PLANT FOOD.

Unequalled for Producing Luscious

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STERILIZED Sheep Manure

For All Purposes

\$1.50 100 lbs., 1 Ton \$26

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27 & 29 OCEAN ST., BEVERLY, MASS.

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Effective one to thirty-two.

Single gallons, \$1.50

Eastern Chemical Company

BOSTON

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The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, red spider, thrips, mealy bug, brown and white scale.

Universally endorsed by commercial growers and professional gardeners of reputation, as the insecticide that does excel all.

\$2.00 per Gallon. \$1.00 per Quart.

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"Actions Speak Louder than Words."

So we are willing to let the merit of this comparatively new fungicide speak for itself. We claim it has no equal for mildew, rust and wilt attacking flower, fruit or vegetable plants. A trial will convince you.

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Aphine and Fungine are spraying materials, readily soluble in water, used at various strengths, according to directions on each can. They are equally effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN.

Manufactured by

Aphine Manufacturing Co., Madison, N. J.

M. C. EBEL, General Manager.

GLASS

for GREENHOUSE and HOT BED SASHES. Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.

215-217 Havemeyer St., Brooklyn, N. Y.



GREAT for HIGH NAILING

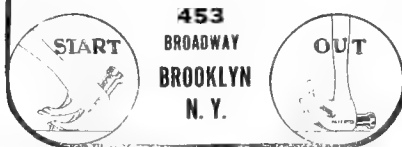
Pulls the nail out straight and easy. This is important in hot houses.

16 or 21 oz. Head.

Cheapest and handiest hammer ever made, when you consider what it will do. Costs three times more to make—but. At your dealer's or from us, delivery prepaid.

PRICE \$1.50.

DOUBLE CLAW HAMMER CO.



453

BROADWAY

BROOKLYN

N. Y.

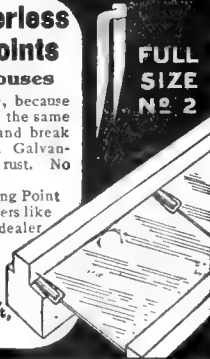
Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

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714 Chestnut Street,
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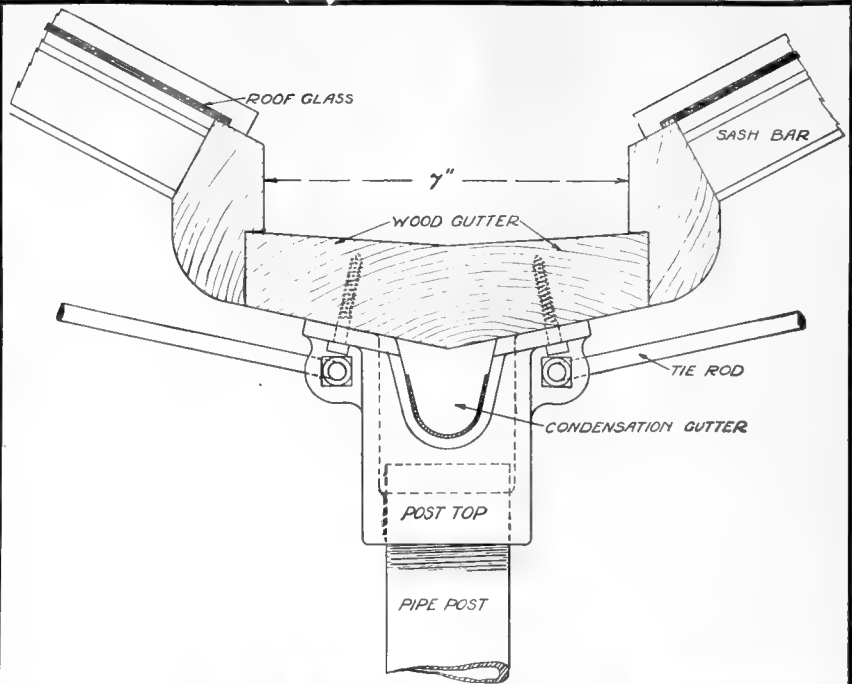
FULL
SIZE
No. 2



MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

THE FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of 32,500,000 sq. ft. of glass. For particulars address John G. Esler, Sec'y Saddle River, N. J.



KING GUTTER made of WOOD

"LEST YOU FORGET"

WE WANT YOU TO KNOW THAT WE HAVE A WOOD GUTTER, AND A GOOD ONE TOO. IT COMBINES ALL THE GOOD POINTS OF OTHER WOOD GUTTERS "AND THEN SOME"

NOTE THAT THE CONDENSATION AND DRIP RUN DOWN THE SIDES AND SLOPING BOTTOM TO A DRIP PAN PLACED UNDER THE GUTTER WHERE IT MAKES NO SHADE

WE KNOW IT WILL DO THAT, FOR WE HAVE TRIED IT. THIS GUTTER LEADS ITSELF TO AN OUTSIDE WALL AS AN EAVE MOST ADMIRABLY

LET US FIGURE WITH YOU

ON ANY GREENHOUSE PROJECT YOU HAVE IN MIND, WE MAY GIVE YOU IDEAS AND YOU WILL SEE

A GREAT LIGHT

WRITE US

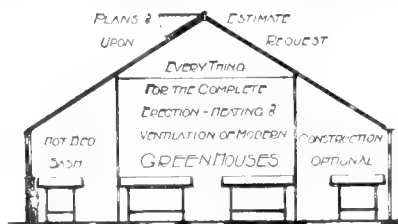
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Evans 20th Century Arm

Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine. Write for free Catalogue to

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CYPRESS SASH BARS

32 feet or longer

HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

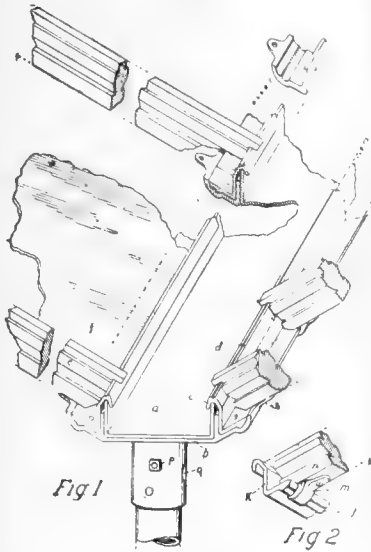
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Greenhouse Builder. General Greenhouse Mechanic.

Iron Frame and Wood Bar Houses. Ideal Greenhouse Bolders. Materials Furnished or Erected. Heating and Ventilating Materials.

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**Metropolitan Patent
IRON GUTTER**

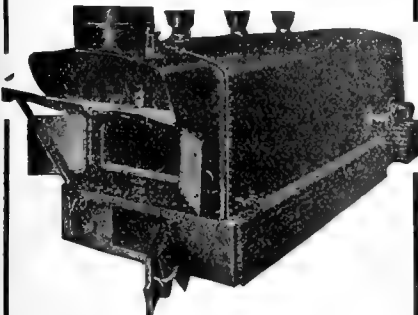


One of the features of this Gutter is that it can be put up in wrought iron any lengths (without boring holes), by bolting the Gutter together and screwing clip to the roof bars, for any size glass.

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BOILER**

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Advance Ventilating
Apparatus**

when ordering your building material. Our machines have satisfied the most critical users and will continue to do so.

Remember that we absolutely guarantee our apparatus to give perfect satisfaction.

We want you to have our catalog. Send us your name and address and we will forward one at once.

ADVANCE CO., - Richmond, Ind.



WHETHER you contemplate building a complete range of greenhouses or need only a few hot-bed sash we will cheerfully furnish you with plans, estimates and prices without placing you under any obligation to purchase.

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Main Office and Factory
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West End Trust Bldg.
Phila., Pa.

Improved Double Glass SASH

OUR Complete Line, Large Stock and Long Experience will enable us to serve you exceptionally well. The confidence which the Florists and Gardeners have in our House is the result of **TWENTY-FIVE YEARS OF FAIR DEALING** with them. We are especially anxious to quote you on our Improved Double Glass Sash, Pecky Cypress, Greenhouse Glass, Putty and Hemlock Boards

V. E. REICH, 1429-1431 Metropolitan Ave.
PATENTEE BROOKLYN, NEW YORK

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

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E. H. HUNT'S

NEW SPRING CATALOGUE

"Guaranteed Greenhouse Supplies"

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SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

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WROUGHT IRON PIPE FOR SALE

Rethreaded, thoroughly overhauled, in random lengths, guaranteed free from splits or holes.

It will pay you to communicate with us

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Greenhouse Materials FURNISHED AND ERECTED

IRON or WOOD SASH BARS

In all lengths up to 32 feet.

MEET to any detail furnished or will furnish details and cut materials ready for erection.

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and Dwight Street
JERSEY CITY, N. J.

3000 Miles We Shipped The Materials For This Range

ALL the way from our Irvington factory, near New York, to Pasadena, California.

Now that we have a factory at Des Plaines, Ill., a thousand miles is being cut off all California shipments.

The way we secured the order for these houses is interesting. The owner, while a guest of J. B. Duke, at Somerville, N. J., greatly admired Mr. Duke's Curved Eave range, then recently completed by us. As a result, on the way back to the coast, our New York office was visited, plans drawn and approved, and a contract placed with us for these three houses. They were the first Curved Eave houses in California.



When our customers are willing to pay freight on such long distance hauls, it speaks most conclusively of the superiority of our Curved Eave construction. *Send for Catalog.*

Lord & Burnham Company

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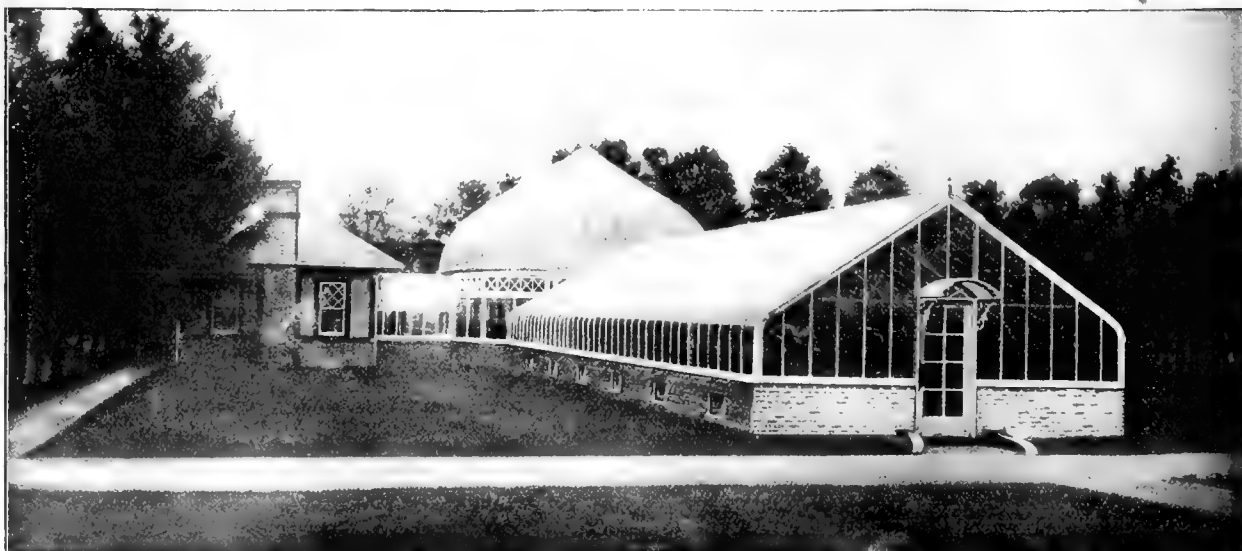
Boston, Tremont Bldg.

Philadelphia, Franklin Bank Bldg.

Chicago, Rookery Bldg.

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Irvington, N. Y. Des Plaines, Ill.



ERECTED AT RUMSON, N. J.

SEEING how attractive and practical this arrangement is, do you wonder why **THE LUTTON PATENT CURVED EAVE** method has changed Greenhouse Construction during the past few years? The result has been the most successful house that can be produced; the other concerns who had been producing the same antiquated buildings for years had to simply destroy their patterns as well as their catalogues and start anew. Just ask some of our imitators to show you some of their curved eave houses built before **THE LUTTON PATENT** was granted; you will then be convinced that you had better consult with me.

WILLIAM H. LUTTON, DESIGNER AND BUILDER West Side Ave. Station, Jersey City, N. J.

HORTICULTURE

Vol. XVI.

SEPTEMBER 21, 1912

No. 12



DIOON SPINULOSUM

Courtesy W. J. Moore

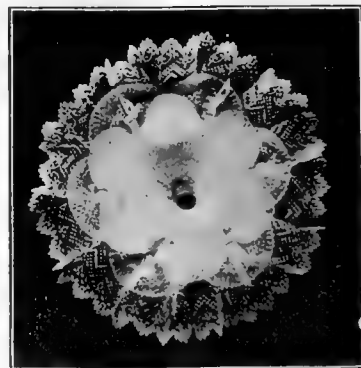
*Devoted to the
FLORIST, PLANTSMAN,
LANDSCAPE GARDENER
and
Kindred Interests*

*Published
EVERY SATURDAY
At 11 Hamilton Place
BOSTON, MASS.
Subscription, \$1.00*

Wedding Accessories from the House of Rice

B RIDAL LACE BOUQUET HOLDERS, 75 cts. to \$2.50 each.
 RIDAL BASKETS, \$6.00 per dozen, all colors.
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 RIDAL BOUQUET RIBBONS, CHIFFONS AND NETTINGS, all widths and colors. Prices the lowest consistent with quality of goods.

W EDDING GATES, White Enamel, \$25, \$50 and up.
 EDDING BELLS, 2 ft. high, \$10 each.
 EDDING ROPES AND TASSELS, price according to thickness of rope or size of tassels.
 WHITE ENAMEL KNEELING STOOLS, \$12.50 to \$25.
 WHITE ENAMEL VASES, 24 in. to 60 in., \$2 to \$9 each.
 WHITE ENAMEL STANDS—POT COVERS, all sizes, all prices.
 SCREENS FOLIAGE GREEN, per section 6 ft. high, 2 ft. wide, \$4 each.



Orders for White Enamel Wedding Accessories should be placed in ample time.
 For full particulars regarding sizes and prices, consult our "Willing Helper," the handsomest and most complete katalog ever issued. Write today.

M. RICE & CO.,

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Care of Poinsettias

Give all poinsettias a place where they will have light firing from this out. No other plant that the florist grows is so affected by the chilly nights as these plants. A temperature of about 55 degrees at night will be high enough until the bracts begin to show color, when 10 or 15 degrees higher should be given. Do not let them become dry at the root, and keep the floors damped down so as to produce a proper amount of moisture in the atmosphere. To insure finer flower-heads give some liquid manure once a week and then increase to twice a week until the bracts are fully developed. See that the plants are securely tied and staked so the stems will not become bent and twisted. You should get busy now and make up a number of pans for the holiday trade. Use any good light and moderately rich soil and when making up the pans work in some little ferns, asparagus, or any other small green plants which will help to finish them off.

Compost for Next Season's Supply

Now is the time to procure a bountiful supply of the sod from some loamy pasture. It should be cut about four inches deep and when stacking it up place some well rotted manure between every third layer to the depth of about five inches. Keep adding sod and manure in this proportion in square piles of any length, until you reach a height of about six feet, leaving the top flat. Early in November you can chop it down and turn the whole pile over which will help decomposition. The autumn is the best time to haul soil and pile it up, because it will be open to the winter atmosphere, frost and snow which will leave it in a nice pulverized state by spring. So do not let these few remarks pass unheeded, but start and get plenty of soil until you have heaps looming up all around which will make the foundation for your success another year, no matter whether you grow roses, carnations, chrysanthemums, violets or any other florists' stock.

Cuttings of Vincas

To have a good useful size in 3-inch pots by next May now is the time to put in a batch of vinca cuttings. Select the growth that is very well ripened up, leaving two eyes to each cutting. Place them in a propagating bed and keep shaded, with a certain amount of moisture in the sand and a good number will root. When they are rooted they can be potted into 2-inch pots using any good soil. With ordinary good culture they will grow into fine stock by spring.

Eucharis amazonica for Christmas

If you want a crop of *Eucharis amazonica* for Christmas sales now is the time to begin resting these plants up. They should be rested until the middle of November. Where you have a batch with their leaves fully matured, cease shading and gradually withhold water at the roots until the soil gets dry enough to cause the

leaves to flag slightly, but never let them become so dry that they lose much of their foliage because this would be an injury to them. Give them an alternating treatment of drying to the point of flagging and then a slight watering to freshen them up again and continue this treatment until the above mentioned date when you should have them well rested and ripened up. Give plenty of ventilation and a night temperature of from 50 to 55 degrees. After the middle of November they can be given a thorough soaking of tepid water with bottom heat and an atmospheric temperature of 70 degrees at night and the spikes will come along all right for the holidays.

Making a Lily Bed

Lilies are highly-bred plants and cannot shift for themselves. To maintain all their superlative excellence they should have special treatment and care. They are flower garden subjects and where you want them primarily for cut flowers, plant them in an area by themselves, where they will have every attention. So where you have the ground to spare make a lily bed and there is no better time for this than next three weeks. Select a well drained piece of land for this is one of the principal requisites for outdoor lilies. Make the soil very rich by the addition of plenty of nitrogenous manure, bone dust and wood ashes. Before putting on any manure have the ground made loose to a depth of at least two feet. Where it happens that the subsoil does not provide sufficient drainage to let the water pass off freely, under-drainage will be necessary to ensure success. Plant at least 6 inches deep and anywhere from 12 to 18 inches apart each way. It is a good plan to place a handful of sharp sand under and over each bulb. Where you have old beds give them a covering of good manure to the depth of 5 or 6 inches. The heavy rains will carry the richness of the manure down to their roots. When the winter sets in give the beds a good mulch of coarse manure to the depth of a foot; this will help to carry them through in good condition.

Mignonette

This is the time of all others when mignonette should not be neglected. When the cool nights come so that the temperature falls below 40 degrees it will be better to run a line of heat through your house, but do not at any time coddle the plants with too much heat. Keep plenty of ventilation on all possible occasions as this is one of the most important points in growing fine mignonette. Do not pinch the plants back but let the centers run up and flower. There will always be four or five shoots to start from the base to give the main crop. When the plants reach 4 or 5 inches high they should be given support by running wires the length of the bench and tying strings crosswise, for there is nothing worse than mignonette with crooked stems. Where the green worms are troublesome keep the plants sprinkled with Slug Shot most of the time and you will not have much bother.

Mr. Farrell's next notes will be on the following: Ardisias, Chrysanthemums, Violets, Liliun giganteum, Home-Grown Shrubs for Forcing, Pansies

HORTICULTURE

VOL. XVI

SEPTEMBER 21, 1912

NO. 12

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.
 WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

Per inch, 30 inches to page..... \$1.00

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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To make the show pay
 Exhibition time is already with us and from now on for the next six or eight weeks the tide of show events will continue to rise. We hope to be able to record unvarying financial as well as cultural success in all these enterprises as they transpire from week to week and have no doubt of the outcome in any instance where modern methods of management prevail. There

is material in abundance and plenty of talent within reach to make every show a thing of beauty and a horticultural triumph. If it is not brought into action, then there is a screw loose somewhere. The financial proposition, however, is a problem in itself and this regardless to a great extent of the horticultural or artistic merits of the affair. Very few men in horticulture understand how to operate the button which turns on the current of public stimulation. Fortunate indeed is the society which can command the services of such an expert for he is an indispensable factor in these days of high-pressure publicity methods and is in a class by himself.

Sifting the "novelties"

In the course of his lecture before the Gardeners' and Florists' Club of Boston, last Tuesday evening, Mr. Farquhar remarked on the very small number of new plants that were shown at the "International" in London, outside of the extensive group of Chinese plants collected by Wilson. We think this remark applies in a comparative degree to most recent exhibitions in our own country of late. So far as new varieties of florists' plants are concerned, the explanation is undoubtedly found in the process of testing and criticism which a novelty must now go through before it can expect much recognition by the trade. Doubtless there are as many, if not more than formerly, new forms produced but the producers know the sifting process and lime-light scrutiny which is sure to ensue as soon as any attempt at dissemination is made. The buyers, too, fight shy of anything in the line of roses, carnations, gladioli, dahlias, sweet peas, etc., which lack the credentials of the societies devoted to their respective interests. This process of elimination at the outset is healthy and greatly advantageous to all concerned. It helps to beget confidence where confidence was lacking a few years ago and we have the special societies to thank for it, perhaps more than anything else.

Inaction and the penalty

It is a reasonable proposition that every person engaged in the florist, nursery or seed business, either as principal or employee, should enroll himself as a member of some club or society devoted to the interests in which he is concerned. Could this consummation be attained we should then have ideal conditions for conserving and advancing the welfare of each and all. Then, could all these bodies be brought into affiliation on practical lines we should have at our disposal an almost irresistible concentrated force that would compel a beeding when unfair legislation or other encroachments threaten. Had such a solidarity been in existence, the various state and federal enactments which bear so heavily on the seed, nursery and florist industry, and concerning which there is so much justifiable complaint, would never have been passed in their present form. It is now too late so far as those laws are concerned and the horticultural interests must suffer the penalty of their self-neglect. But what of the future? Let no one console himself with the notion that the predatory instincts are now finally appeased. There is plenty of work ahead, undoubtedly, and we are glad to note the signs of activity in the "Empire State" as shown in the proceedings of the newly organized New York state association as recorded on another page of this issue. Mr. Kelsey's letter to the Department of Agriculture will also be found interesting reading. We hope the leniency asked for may be granted.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

American Beauties

Go over all your Beauty benches at least once a week and pick off all yellow leaves and keep an eye open for spot. This is very important although many growers fail to realize this fact. It is very easy to pick off one or two blackspots that may be found on a yellow leaf next to the soil, much easier in fact than the many hundreds that may result from not picking the one or two. Of course, blackspot will not spread unless conditions are favorable, and we find clean plants kept clean will pull through dark and warm weather much easier than plants with traces of disease on them.

We find air-slaked lime blown under the plants in the evening after each syringing or watering, does a good deal to present spot. Well-ventilated houses are also much more easily kept free from it than dark, poorly ventilated houses. During rainy or damp weather we use lime first thing in the morning, blowing plenty of it underneath the plants. Much of the fine dust will rise, filling the air of the house with it. This is just what is wanted, for the little particles of lime will absorb large quantities of moisture, and this they bring down with them as they gradually settle. This leaves the atmosphere much drier than before and all rose growers know what that means.

Tying

Keep the Beauties tied up. Not only does the house look much neater, but you will find your plants will produce far more flowers if kept tied up neatly than if they are tied only now and then. If your plants are not tied and are allowed to go so for any length of time spider or spot will surely set in and you will then be in for it.

If your Beauties are on stakes, take care not to bunch them up too much or you will be inviting trouble. As stated in these columns before we have no use whatever for stakes in American Beauty houses, although we like them with almost all the other roses. We keep all of our Beauties on wires and find we get much better results.

Cutting

While the hot weather lasts, the buds are very apt to come more or less deformed. We take especial pains in cutting to pinch out all the badly deformed buds, letting the wood remain in the house. Usually the shoot coming out from the side bud will bear a good bud, and this can then be cut, and will bring a fair price, whereas a badly deformed bud is almost worthless.

Another important thing is not to cut all the wood away from the plant, leaving only the part below the bottom wire. We always pinch out the last shoot; this gives the plant a little foliage to breathe through. Plants that are cut down like that require but very little water, until after they begin to break and if you have many such plants among your lot be careful with the hose.

We cut all the flowers down to two eyes above the bottom wire, except in the front rows where we will cut a bottom break off within four or five inches of the ground. This should never be done except in the front rows, as it is none too good for plants that have but

little sunlight and usually run a little on the wet side. If you find some of your plants all cut down, among others which have more or less wood, take a little air-slaked lime and put around them. Also go easy when watering and try and overlook them twice out of every three times watering. These plants, if overwatered now will not produce any cut flowers all winter long, even though they will throw considerable wood, and buds in the spring.

Shavings and Cow Manure

We have received a letter from Mr. J. W. Y. asking if it would be safe to use cow manure containing considerable wood shavings that were used for bedding, same being fairly well decayed. In reply we wish to say that we see no reason why cow manure containing wood shavings could not be used for roses under glass, especially when these are well decayed. We presume Mr. Y. has reference to wood shavings that are sold in bales purposely for bedding in stables and not carpenters' shavings or shavings containing old bark. We find manure containing shavings better at times than manure without them, as they absorb large quantities of liquids, and these gradually wash out and are taken up by the plants. The only thing to be on the lookout for is to be sure such shavings contain no insects that would be injurious to the growth of roses.

To go further we wish to state we never apply but very little mulch at a time, applying more as fast as the plants need it. We would recommend mulching about 25 feet of bench with said manure and then carefully watch the plants. If it is harmful it will show within a week.

Another important fact must not be overlooked in using manure of any kind. Do not close the ventilators down tight after applying a mulch. Air the plants freely. Rose houses should never be closed down at night at this time of the year. We believe in giving the plants plenty of air, even at the expense of a little coal.

A Point on Packing Beauties

After your boxes are all lined make a little cushion to put in the end of the boxes where the buds are to lie. Not for the buds to lie on but to keep the buds from being jammed up against the end of the box during transit. After you pack about 50—say extras or fancies—make two holes in the box, one on each side at the proper distance from the bottom and pass a piece of rope around the outside of the box and into the box through these holes. Then tie the roses down with the ends of the rope. This will fasten the roses firmly to the bottom and when done right will hold them in place no matter how hard the box is thrown against a side of a concrete building or some such soft objects that cut flower boxes often come in contact with during transportation. After you pack another tier repeat this operation and all your roses will be securely fastened and bound to arrive in your salesrooms in good condition. Remember that newspaper is cheap so put a sheet between each row or two of the long-stemmed buds and save the foliage. Leaves badly torn from thorns going through them will not make the roses more salable.

CLUBS AND SOCIETIES

NEW YORK FEDERATION OF FLORISTS' CLUBS.

The meeting of this Society was held in Commissioner Driscoll's rooms in the Cornell Building, at the Fair grounds, Syracuse, Thursday September 12, at 4 P. M. Present: President W. F. Kasting, Buffalo, Vice-President R. R. Fry, Rochester, Secretary John Young, New York, Treasurer W. A. Adams, Buffalo, Frank R. Pierson, E. W. Neubrand, Charles Vick, H. Youell, Felix Albers, George B. Hart, Fred Thomson, Com. C. J. Hewson, Robert Bard, F. W. Bannister, Wm. Wind, Julius Thomann, W. R. Pierson, B. T. Bohannon, J. W. Norris, R. C. Scott, W. E. Day, Dr. E. A. Bates, George Arnold, Arthur Cowee, I. Hendrickson.

The Secretary's report showed the great interest being taken in this State Federation. The membership at present consists of the New York Florists' Club, Buffalo Florists' Club, Rochester Florists' Association, Tarrytown Horticultural Society, Nassau Co. Horticultural Society, Tuxedo Horticultural Society, Syracuse Rose Society, Syracuse Florists' Association, Albany Florists' Club, N. Y. and N. J. Plant Growers' Association.

The Treasurer's report showed the payment of the assessments from these Societies and that there had been no bill for expenditures up-to-date.

Frank R. Pierson gave a detailed report for the committee on Legislation and offered important recommendations as to the proper method of securing the appropriation for greenhouses for experimental work in Floriculture at Cornell University. Prof. A. C. Beal addressed the meeting on the subject after which the same was approved. The New York State Vegetable Growers' Association will be invited to join us in the endeavor to secure the appropriation of \$50,000 for the purpose mentioned. George B. Thorp made an important recommendation as to the proper method to be adopted to bring about a State appropriation for a Horticultural Building on the Fair grounds in Syracuse, and the subject was handled in great style by President Kasting, Dr. Erl A. Bates, George Thorp, Arthur Cowee, Charles Vick and Treasurer Adams.

Edmund Van Alstyne, Director of Farmers Institute, N. Y. Department of Agriculture asked permission to address the meeting promising the support of the Western New York Horticultural Society and the Western Pomological Association in the endeavor to get this new building. A committee of nine will be appointed, three from each Society, the State Federation of Florists' Clubs, the Western New York Horticultural Society, or the fruit growers, and the State Vegetable Growers' Association, to take this matter up with the State Fair Commission. Frank R. Pierson, Dr. Erl A. Bates and Charles Vick were appointed by President Kasting to represent the Federation of Florists' Clubs. Charles H. Vick, Superintendent of the exhibition of plants and flowers at the Fair and Assistant Superintendent Wm. E. Day were accorded a standing

vote of thanks for the very successful manner in which all arrangements had been carried out.

Wallace R. Pierson, of Cromwell, Conn., gave a stirring address on "Publicity." This subject so ably presented by Mr. Pierson, was received with enthusiasm by all present, every one realizing that it was an important move in the right direction. Upon Mr. Cowee's motion the Secretary was instructed to write the Fair Commission that it was the sense of this meeting that the children be admitted free to have their competition in flowers, on Monday as had been done in previous years. This permission it was understood had been denied them on Monday of this season's Fair. The same officers were elected to serve another year and President Kasting appointed the same Committees that were serving at present.

Meeting adjourned to meet "Farmers Week" at the Department of Agriculture Cornell University, Ithaca, N. Y.

JOHN YOUNG, Secretary.

FLORISTS' AND GARDENERS' CLUB OF RHODE ISLAND.

The first meeting of this club following the summer vacation was held in Swarts Hall, Providence, last Monday evening and notwithstanding the small attendance, the session was a busy one. Visits to the Arnold Arboretum and the glass-flower exhibit at Harvard College during the vacation period were recalled by some of the members who told of the experiences and profits of their trips. "Shop Talk" was one of the most interesting topics and the opinions of the members on methods in running a first-class shop were aired, and if suggestions made are successful, the florists in this city will be making money hand-over-fist within a short time.

The expense of delivery of trade products by automobile as compared with horse-drawn vehicles was a subject of especial interest. Several dealers have purchased delivery motors and claim that they are preferable at the increased cost.

The members were at loggerheads as to the real cause for the sudden falling off in the aster supply, a noticeable decrease in quantity being noted during the past week. The cool spell and the sudden change in the weather are accepted by many.

AMERICAN GLADIOLUS SOCIETY.

The following committees have been appointed by President Hendrickson to serve until August, 1913.

Membership—H. W. Koerner, R. F. D. No. 6, Milwaukee, Wis.; Ralph T. Cushman, Sylvania, Ohio; Geo. W. Parsons, Fox Chase, Philadelphia, Pa.

Exhibition.—L. Merton Gage, Groton, Mass.; E. J. Brown, Madison, Wis.; O. V. Zangen, Hoboken, N. J.

Press and Bulletin Committee.—H. Youell, 538 Cedar St., Syracuse, N. Y.; L. Merton Gage, Groton, Mass.; A. E. Kunderd, Goshen, Ind.; H. J. Alford, Garrettsville, Ohio; Montague Chamberlain, Groton, Mass.

L. MERTON GAGE.

Cor. Sec.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

A very large number of members turned out to hear J. K. M. L. Farquhar lecture on the Royal International Show at the first meeting of the season, Tuesday evening, September 17. The lecture hall of Horticultural building was comfortably filled, the meeting was most enthusiastic and the lecturer was welcomed with three cheers and a tiger. The lecture was profusely illustrated with fine lantern slides showing the various exhibits under the tents and in the open at the great London exhibition, also views in Kew, Hampton Court and other noted gardens of England and the bulb fields of Holland. In closing, Mr. Farquhar spoke of the big show to take place in New York city next April under the auspices of the S. A. F. and urged upon the Boston growers the desirability and obligation to be well represented on that occasion and to accord to it every possible support.

A letter was received from President Thomas Pegler, who is now in Maine, resigning his office on account of ill health. The letter was laid on the table until next meeting and the secretary instructed to send a letter of regret and sympathy and best wishes for a rapid recovery.

It was voted to have a dinner in commemoration of the 25th anniversary of the organization of the club, date to be announced by the executive committee.

Wallace R. Pierson was present with a vase of his new rose Milady, which was much admired while closely scrutinized by the many experts present. A vase of white chrysanthemums, Smith's Advance from W. W. Edgar Co., showed up well. Fred Coles showed plant and cut flowers of the new tuberous hybrid Begonia Lloydii.

GARDENERS' CONVENTION.

Arrangements have been completed for the annual convention of the National Association of Gardeners which will be held this year in the city of Newark, N. J., on Tuesday, November 19th. The new Auditorium has been secured for the meeting place to which an exhibit of novelties, both from among the commercial and private growers will be invited. The morning will be given over to a bowling contest, the afternoon to the business session, and the evening to a banquet at the Continental Hotel, the programs having been arranged with a view of meeting the convenience of all members.

President Logan has appointed the following convention committee: Peter Duff, Orange, N. J.; William H. Duckham, Madison, N. J.; A. Bauer, Elberon, N. J.; W. H. Waite, Yonkers, N. Y.; James Stuart, Mamaroneck, N. Y.; John Everitt, Glen Cove, N. Y.; Carl Schaeffer, Tuxedo, N. Y.; Frank E. Whitney, Fishkill, N. Y.; William Kleinheinz, Ogontz, Pa.; John F. Huss, Hartford, Conn.; Alexander T. Fraser, Newport, R. I.; Thomas Proctor, Lenox, Mass.; William Craig, North Faston, Mass.; F. Kirk, Bar Harbor,

Me.; Alexander McPherson, Washington, D. C.; A. J. Smith, Lake Geneva, Wis. Committee on final arrangements: Peter Duff, Orange, N. J.; Robert Tyson, Convent, N. J.; Joseph Manda, West Orange, N. J.; M. C. Ebel, Madison, N. J.; and Austin C. Saylor, New York, N. Y.

M. C. EBEL, Secretary.

ST. LOUIS FLORIST CLUB.

The St. Louis Florist Club held its regular monthly meeting last week Thursday afternoon. This was installation meeting and the beginning of a new year. Thirty-five were present, including every officer. All bills were paid and all the old committees reported and the club began its new year with a clean slate and 99 members in good standing. All the new officers-elect were present except Vice-President-elect Young. W. C. Young and E. W. Guy served as installing officers and the following were installed: President, Fred H. Weber; secretary, J. J. Beneke; treasurer, W. C. Smith; trustees, Wm. Ossick and John Connon. On leaving the chair President Windler turned over the gavel to President Weber with a few appropriate remarks, ending by asking the members to give their support to the new officers the same as they did to the old. The meeting then adjourned to a nearby cafe where refreshments were served and a very pleasant evening was spent. Next meeting Oct. 10th.

CLUB AND SOCIETY NOTES.

The fifth annual exhibition of the New England Dahlia Society will be held at Horticultural Hall, Boston, on September 20, 21, 22.

The Seventeenth Annual Flower Show of the Morris County Gardeners' and Florists' Society will be held in the Assembly Hall, Madison, N. J., on Thursday and Friday, October 31st and November 1st, 1912.

The autumn flower exhibit of the Rhode Island Horticultural Society will be held at Providence, R. I., Sept. 24-25, in the parlors of the Mathewson Street M. E. Church, and present indications point to one of the largest shows in years. Special premiums are offered this fall and the extra inducement appears to have had desired effect. Sisson & Thurston of Newport, importers and growers of dahlias, have offered a prize for one dozen varieties, cactus dahlias, new varieties of 1912. George H. Stoddard, also of Newport, has offered a premium for the 20 largest blooms of at least 10 cactus dahlias.

At the Western Canada Irrigation Congress at Kelowna, B. C., Prof. C. I. Lewis of the Oregon Agricultural College read a very well-considered and instructive paper on "Some Phases of Irrigation," showing where and how systems of irrigation may benefit or possibly injuriously affect the product from fruit orchards. The great problem, according to Prof. Lewis is to teach the grower that irrigation cannot take the place of tillage and that he should work on the basis of not how much, but how little water is necessary.

After a two months' intermission the New Jersey Floricultural Society held its first meeting of the season

in Lindsley Hall, Orange, N. J., on Friday, September 13th. A communication from the National Flower Show Committee asking the Society to donate a prize was laid over for later consideration.

Lager & Hurrell exhibited Brasso-Cattleya Maronae, which was awarded 90 points. Frank Drews got 75 points for dahlias; Max Schneider, 75 for celosias, and Emil Panuska 80 for Ficus repens variegata and 78 for Cyrtopodium Harrisianum. The seventh annual dahlia show will be held September 27th from 4 to 10 P. M. The schedule provides for 34 classes and the competition is open to all.

The monthly meeting of the The Westchester and Fairfield Horticultural Society was held in Greenwich, Conn., on September 13th. A prize of \$25 was received from Mr. Chas. Mallory, Portchester, also one of \$10 from the Wilson Plant Oil Co. J. H. Troy gave a short talk on "Horticulture and Its Possibilities." Oscar Fraenkel of Yonkers, also spoke on the same subject, closing his remarks with a few statistics on the results of humus as a fertilizer. On exhibition were collections of grapes from Thos. Ryan; peaches and dahlias from Harry Wilde; peaches from J. Foster, all highly commended. A vote of thanks was accorded Alex. Geddes for French asparagus beans, H. Wilde for clero-dendron and J. Henderson for seedling dahlias.

The annual dahlia exhibition of the New Haven (Conn.) Horticultural Society was held in Harmonie Hall, New Haven, on September 11 and 12. First prize winners in various classes were as follows:

Forbes & Keith, George H. Walter, John Slocombe, George Stillman, Lewis Alling, Herbert Clark, Blanche Davidson, Frank Sheldon, W. H. Goldenblum, William F. Yost, Frank Duffy, Nathan A. Miller, Thomas Bell.

Lord & Burnham, gold medal, value \$20, for best 12 blooms of American seedling not yet in commerce, won by A. F. Davidson, Ansonia.

Silver medal by Henry F. Michell Co., won by John H. Slocombe, New Haven.

Silver cup by John N. Champion & Co., for largest exhibit, won by John H. Slocombe.

Silver cup by S. H. Moore & Co. for most meritorious exhibit, won by William Tricker, Arlington, N. J., for water lilies, also certificate of merit.

The judges were Morris Fuld of Philadelphia, Peter Zuger of South Manchester, and Ernest Childs of Ansonia.

The September meeting of the Nassau County Horticultural Society was held at Glen Cove, N. Y., September 11th. It was voted to offer a silver cup valued at \$50 for the National Flower Show to be held in New York next April, the class to be decided on by the management. Mr. Gammon offered a prize for the fall show and Mr. Holloway made an offer of a cash prize for fruit. The judges of the evening's exhibits were Messrs. Gray, Adler and MacDonald, and the awards as follows:

Honorable mention to Jas. Holloway for a fine collection of outdoor fruit; 1st to H. Boettcher for gladioli; 1st to J. W. Everett for celery and 1st to H. Gaut for onions. Mr. Gaut's onions were considered by old members to be the best ever exhibited at our meetings.

The next meeting will be held at Glen Cove in connection with the Dahlia Show, October 9th.

During Recess.

Cook County Florists' Association.

The Cook County Florists' Association, Chicago, organized its bowling league under the leadership of Allie Zech, chairman of the sports committee, and will bowl its first game Sept. 18th, at Bensinger's alleys. An alley is reserved for the ladies, who will participate on the opening night, and it is expected that they will be guests frequently during the season.

The prizes are as follows: Silver cup, by the Cook County Florists' Association, for the man making highest individual average; watch fob, by A. L. Randall Co., for highest single score; stick pins, by J. Michaelson, for highest average man each team; umbrellas, by Zech & Mann, to six highest individuals; fountain pen, by Chicago Carnation Co., to man making highest three game average. \$155 in cash prizes.

Membership of the league is as follows:

ROSES.	CARNATIONS.
A. Fischer	W. Lorman
J. Byers	P. Brunke
O. Goerisch	E. Armstrong
E. Vilker	F. Lieberman
A. Lehman	P. McKee
L. Kreutz	F. Potocka
	J. Curran
VIOLETS.	ORCHIDS.
J. Huebner	J. Zech
E. Schultz	W. Groff
A. Cole	J. Ross
J. Jacobs	G. Economopolis
A. Huebner	M. Cohen
A. C. Kohlbrandt	J. Michaelsen
M. Fink	E. Stenquist
E. Winterson, Jr.	

Chicago Florists' Bowling League.

The Chicago Florists' Club Bowling League will bowl their first game September 24th, the following named members participating. Ernest Farley, chairman of the sports committee, has worked hard and anticipates a good winter's sport. All details are not yet completed, but the names to date are as follows:

1	2
W. Wolf	C. Balluff
F. Potocka	H. Kruchten
E. Price	J. Foerster
E. Winterson	W. Abramson
E. Ollinger	J. Einwich
T. Waters	H. Klunder
3	4
E. Farley	F. Pasternick
F. Krauss	J. Kruchten
L. Vaughan	G. Asmus
J. Degnan	V. Bergman
J. Bernie	D. Krone
J. Manusos	A. Lazoroff
	L. Wenzel

A picnic was given September 15th by the Gardeners' and Florists' Union, No. 10615, Chicago, at Ebert's Grove, Ridge avenue, and though the day was cool it was participated in by about 400, who were entertained with games and dancing.

The State Fair at Springfield, Ill., to be held October 4 to 12 offers a very attractive list of premiums for plants, cut flowers, bulbs, window boxes, filled baskets and designs with separate classes for professionals and amateurs. The floricultural premium list carries over \$3,000 worth of prizes. Special train will be provided for Chicago people.

On Monday forenoon, Mr. E. H. Wilson of the Arnold Arboretum addressed the Newport Garden Association at the residence of Senator Wetmore, on the subject of "Lilies."

AUCTION SALE

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Wednesday, October 2nd, 1912, at 10 A. M.

This is an exceptional opportunity. Do not overlook it.

200 Catalpa Bungei
300 Blue Spruce
100 Cut-Leaf Maples
400 Ornamental Trees

500 Norway Maples, 1½ to 7 caliper
500 Assorted Shrubs
200 Specimen Boxwood
500 Magnolias

1000 Hydrangea Paniculata
500 Specimen Conifers
400 Assorted Weepers
5000 Privet, 3 to 4 years old

HOW TO REACH THE NURSERIES—Bronx Subway to 242nd Street. Trolley to New Rochelle passes the grounds

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THE EXHIBITIONS

DAHLIA AND FRUIT EXHIBITION.

Horticultural Hall, Boston, was all aglow on Friday, Saturday and Sunday, September 13-15, with gladioli, dahlias and hardy herbaceous blooms which filled the large exhibition hall, and a display of unusually fine fruit and vegetables occupied the lecture hall. There were at least two exhibits fairly entitled to be termed sensational—the gladiolus display of B. Hammond Tracy and the collection of hot house grapes by James Marlborough, gardener for Thomas E. Proctor.

The Tracy gladiolus display was unique in arrangement—not only grouped in vases and jars of beautiful design but in hampers and baskets of brown twig or gold and adorned with rich ribbon bows—it was an object lesson in floral art and showed that the gladiolus had at last come under the master hand—or rather, mistress' hand, for the arrangement was done by Mrs. Tracy. A gold medal was worthily awarded "in recognition of efforts to advance the culture and use of the gladiolus." The varieties shown were all of the newer and advanced types such as Mrs. Francis King, Mrs. Frank Pendleton, Sunrise, America, etc.

There may have been larger bunches shown heretofore of certain varieties but taken as a whole we do not recall any grape exhibit in Boston of higher quality than that by Mr. Marlborough. There were fifteen varieties all represented by splendid bunches, large berries, well-finished and well displayed

on the stage against a setting of Adiantum Farleyense and other ferns with an imposing group of Campanula pyramidalis in white and purple at either end.

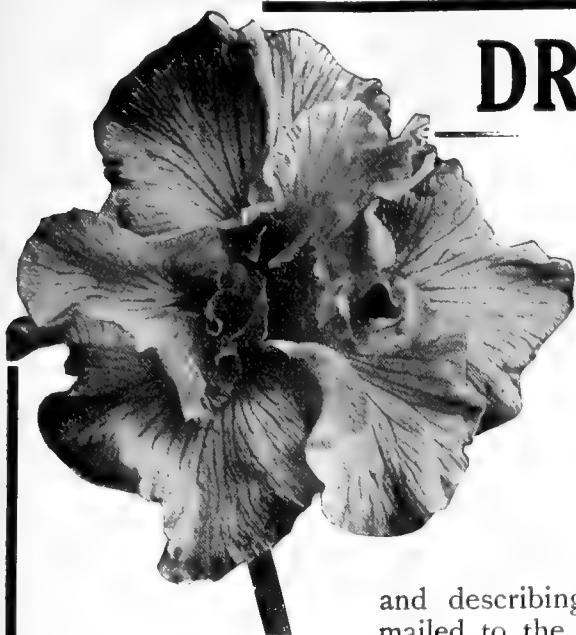
The large hardy herbaceous groups, the varieties all being properly labeled, were prime attractions for the public. They were contributed by Eastern Nurseries, Mt. Desert Nurseries, Blue Hill Nurseries and William Whitman. Noticeable in the Mt. Desert collection were the montbretias, of which ten distinct named varieties were shown. The lovely Lillium Henryi and Phlox Gruppenkonigin were conspicuous also in this display. The dahlia collections were very extensive as might be expected when such well-known specialists as J. K. Alexander, W. D. Hathaway, E. W. Ela, E. F. Dwyer & Son and others are in competition. Luther C. Parker received a first class certificate for a fine new peony-flowered dahlia named "Houghton," color white daintily flushed. Other than that we did not notice anything very exceptional in the dahlia line as to varieties but the average quality of the flowers shown was very high and in such sets as the 24's in show, cactus, decorative and peony-flowered classes by W. D. Hathaway the uniformity of size and quality was remarkable. All the dahlia exhibitors had their blooms nicely labeled, many of them showing hundreds of varieties and visitors made good use of their note books in selecting favored varieties for next year's garden.

Arthur Hunnewell was awarded honorable mention for a set of seedling hybrid Begonia Lloydii, tuberous, in six inch pots from seed sown February 7. The flowers were nodding on tall stems, bright colors and some of them double and beautifully lacinated. They were much admired when first staged but drooped badly on second day. Mrs. J. L. Gardner had a showy group of decorative foliaged stove and greenhouse plants and Fottler, Fiske Rawson Co., staged very extensive groups of named gladioli and dahlias.

The fruit and vegetable section was well filled. Melons were especially good. James Garthley got honorable mention for a seedling melon, also cultural certificate and a bronze medal for his display.

PENNSYLVANIA HORTICULTURAL SOCIETY.

The annual dahlia show was held on Sept. 17. The exhibits from the private gardeners about Philadelphia were rather slim but the lack was more than made up by the fine showing made by Messrs. Burpee, Dreer and Vincent. The former occupied the east end of the hall and put up a fine display, very artistically arranged. Dreer had a novel exhibit, each flower being shown in a pot of ferns, which relieved the single-flower method of showing of the inevitable stiffness, while retaining the unequalled individuality which is unattainable otherwise. Eighty-three varieties were thus shown, and were a great center of attraction. In addition to their dahlia exhibit Messrs. Dreer showed forty vases of hardy phlox. The Burpee



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**Dreer's Unrivalled Hardy
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The above are leaders in our Perennial Department and now is the time to secure your supplies for the coming season. **Special Circulars** offering and describing complete lists of the above have recently been mailed to the trade. If you have not received a copy and are interested, write us.

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display was greatly enhanced by a free use of Eulalia plumes and autumn foliage. Fine pyramidal vases were shown of the new peony-flowered seedlings (originating with Burpee and his dahlia expert Geo. W. Kerr); also the same of such fine varieties as Golden West, Queen Victoria, Sebastopol, Jack Rose and Kriemhilde. One of the loveliest of the collection was the variety Mrs. Reginald Bailey, raised in England by Mr. Kerr; a lovely claret cactus with magenta reflex. R. Vincent & Sons showed twenty-one vases of dahlias, representing some of the best of the present day commercial varieties. Joseph Hurley, gardener for Thomas P. Hunter, had a splendid collection of outdoor garden cut flowers. John Little was the principal exhibitor in the class for vegetables. Robt. Morrow, gardener for Geo. I. Bodine, carried off the prize for Dreer's Peerless aster. Wm. Fowler exhibited Queen Alexandra and Mrs. J. G. Cassatt dahlias in the Michell section. W. F. Bassett, Hammonton, N. J., sent a good collection which was staged by the Pennock-Meehan Co. Geisha, Sylvia, Bridesmaid, Jack Rose and Antietam were among the good varieties shown. A new one which we praised last year was not yet at its best and of course we can only talk of things as we see them.

CHARTER OAK FAIR.

The flower show at Charter Oak Park Fair, Hartford, Conn., September 2nd to 7th, was the largest on record. J. A. Weber, as superintendent, gave much satisfaction. The judges were Walter Angus and Robert Roger of Chapinville. The list of awards was a long one—too long for our crowded space. The names that figured most

prominently in the prizes were W. W. Hunt, J. W. Scott and C. R. Burr, evergreens and shrubs; J. F. Huss and John Coombs, palms and ferns; J. A. Weber, J. F. Huss, dahlias, carnations, etc.; N. Nelson, Miss Whiting, roses; W. H. Mackenzie, asters; J. A. Weber, antirrhinums and salpiglossis. All the above were represented in other classes of garden annuals and perennials, besides quite a number of other exhibitors, quality being excellent all through. The display of gladioli was very extensive, A. F. Cowee of Berlin, N. Y., and B. F. White of Terryville, Conn., staging about 400 vases. Mr. White won the silver vase for largest collection. It took 1500 bottles to stage the dahlias. George Stillman, Westerly, R. I., captured 13 firsts, four seconds; Forbes & Keith, New Bedford, Mass., five firsts, nine seconds; J. H. Slocombe, New Haven, six firsts, two seconds; Neil Nelson, Hartford, two firsts, four seconds.

The Park Department of Hartford covered 500 square feet of space with beautiful groups of celosia, salvia, ornamental grasses, tuberous rooted begonias and gloxinias.

NEWPORT HORTICULTURAL SOCIETY.

The autumn exhibition of this society was held in Masonic Hall, Sept. 14, 15 and 16, under very favorable weather conditions which, with other fortunate circumstances, resulted in the show being one of the best the society has ever had. The walls of the hall had previously been decorated with wild smilax, hydrangeas and other suitable material for the annual ball which followed the closing of the show, and the exhibits were skillfully arranged to harmonize with

THIS PRICE WILL FETCH YOU

5,000 YOUNG PALMS

2-inch Pots. FORSTERIANA,
BELMOREANA.

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Good, thrifty, young plants, in perfect condition. This price ought to sell them quick. Every plant guaranteed. Also:—

500 ft. 4-in. cast iron pipe, in good order. Will close out cheap. No reasonable offer refused. Also:—

A big Burnham sectional Boiler; been used two years; cost \$650; will sell for \$250. In perfect condition. No defects of any kind; has not been used anywhere near full capacity. Change of plans only reason for selling.

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Holly, Mistletoe, Needle Pines,
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Ferns, Natural and Decorative
Mosses. Satisfaction
Give me your order, 1912

the wall decorations, bringing out much favorable comment.

Competition was very keen in many of the classes, which helped further to make an interesting show. The winners of the first prizes in the more important classes follow:

Group of foliage plants—James Bond, gardener for Mrs. H. M. Brooks. Six foliage plants James Robertson, gardener for Mrs. T. O. Richardson. Specimen areca—Alex. Fraser, gardener for Mrs. H. McK. Twombly. Kentia in 12-inch pot—J. Robertson. Kentia, any size—James Boyd, gardener for Mr. Vincent Astor. Specimen Adiantum Farleyense—John B. Urquhart, gardener for R. L. Beeckman; this plant was also awarded the silver medal offered by H. F. Michell Co. of Philadelphia for the most meritorious exhibit. Specimen Nephrolepis—C. M. Bugholt, gardener for Miss Fanny Foster. Specimen fern, any other variety—J. Bond. Six dracaenas—J. Bond. Six crotons—J. Bond. Pandanus—J. Bond. Dish Farleyense—J. B. Urquhart. Dish of other ferns—J. B. Urquhart. Dish foliage plants—J. Bond. 25 gardenias—J. Bond. 25 outdoor roses—A. Fraser. 25 indoor roses—J. B. Urquhart. Collection perennial flowers—A. L. Dorward. 25 cactus dahlias and 20 do.—C. M. Bugholt. Collection 12 dahlias—W. D. Hathaway. Vase yellow dahlias—Alex. McLellan. Single dahlias—J. Robertson. Vase pink dahlias—Sisson & Thurston. Six vases flowers and arrangement—J. Bond. Collection 12 kinds vegetables—Col. Fred. Mason of Taunton; second, John Fletcher, gardener for Com. J. H. Dayton. 12 kinds vegetables for Stump & Walter cup—Col. F. Mason. Basket of foliage plants—Hugh Meikle. 25 cactus dahlias for silver cup given by Miss Fanny Foster—D. J. Coughlin, gardener for E. Rollins Morse. Mrs. Goelet prize for collection of table plants—J. Bond. Mrs. Goelet prize for table outdoor flowers—Wm. Gray, gardener for Mrs. Wm. B. Leeds.

Centre pieces and fancy baskets were exhibited on the second day and these brought out 20 exhibits which made hard work for the judges. A. S. Meikle, president of the Society, was first in the centre piece class. Charles Davidson in one class of baskets and A. Tollefson in the other. The table decorations on the third day as usual brought out some good competition, 11 tables in all being set, and some of them probably being set with the best cut glass and silver in the city, as that part of the equipment counted 50 per cent in the class for the R. L. Beeckman prizes. The first in this was won by Wm. Gray with an elegant arrangement of pink cosmos and gypsophila in a tall vase with a base of Farleyense fronds. This decoration was also awarded the H. F. Michell bronze medal. The B. Hammond Tracy prize for table decoration of gladioli was won by A. S. Meikle, and first for table decoration of wild flowers went to A. L. Dorward. The H. A. Dreer prize for plants of Adiantum Farleyense Gloriosa, was won by J. B. Urquhart. The R. R. Barker silver cup for cactus dahlias was won by Sisson & Thurston with a perfect collection of about 60 varieties. The same firm also won the R. & J. Farquhar prize for collection of peony-flowered dahlias.

Among the special exhibits was an interesting collection of water lilies shown by William Tricker of Arlington, N. J., and the following varieties were each awarded the silver medal of the society:

Nymphaea Mrs. Roche, a new cerise pink. N. Eugenia de Land, large white and pink. N. Daubianiana, a hybrid of distinct new type, introduced recently in the United States. Mr. Tricker was also awarded a first-class certificate for a new pink aster named St. Egwin. C. M. Bugholt was awarded a silver medal for a new pink cactus dahlia

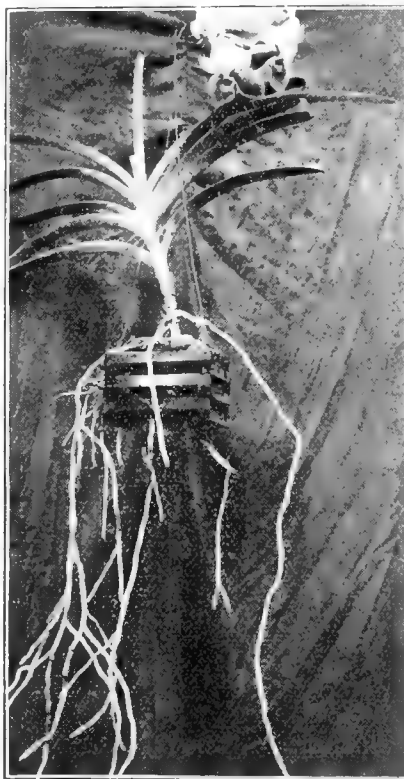
originated by him and named "Pink Lady." This is a seedling from the well-known Mar Bouchon and decidedly better than that variety.

The judges were Richard Gardner and Bruce Butterton of Newport, and Arthur Griffin, James Garthly, George Melville and John Barr of other places, and seemed to give satisfaction.

J. R.

VANDA SANDERIANA.

In the "Orchid Review" of June, 1912, page 190, the above species is mentioned together with Vanda coerulea as "difficult species." As to the coerulea I will say that I have not had the best of success. V. Sanderiana has behaved better and it may be of interest to some if I state how I have treated it. We have three plants which we got a little over two years ago. They were in semi-dormant con-



dition, with roots five to six inches long. They were placed in the East Indian house, but as they did not seem to grow any they were moved to a stove case in the stove and you can see the result; the roots are nearly 30 inches long. There are nine flowers in the bunch. The other two plants have not made such good growth but are doing well; they were much smaller plants to start with. The temperature in the case is generally 75° in winter and 90° in the summer with some fluctuation, but very seldom below 60°. They are syringed every day once; if very warm, three times. They have never stopped growing; always some fresh growing tips on the roots. I believe this species, if in good health, should always show signs of activity at the roots. The slide door to the case was kept open night and day about 20x30 inches.

I. M. ROMAN.

Mr. Roman has charge of the greenhouses of Mr. George A. Joslyn, Omaha, Neb., where a very good collection of orchids has been acquired.—Ed.

Necessary For Success

"We all have more or less trouble in keeping the greenhouse stock clean during the winter months, and I doubt whether there are two firms who make use of the same methods to do it. But I am sure we all agree that the only right way is to prevent, if at all possible, the appearance of the green or black aphid, and not wait before spraying or fumigating until things are alive all round us. Therefore, if you have made up your mind to keep your carnations, roses and other stocks clean this winter, get busy now. Order from your supply house a good stock of the preparation you are in the habit of using, and take it down from the shelf every ten days and fumigate or spray. Bugs or no bugs, for the last two years we have used nicotine in different strengths, and while this has been most effective, Aphine is just as much so, and the beauty of it is, its cheapness. I don't care what you may grow, if you spray your houses every ten days according to directions on the can you are going to have clean stock. Start now. It's your only chance. Keep the houses clean from now on and you have easy sailing all through winter instead of a continuous fight to keep the insects down."—Fritz Bahr, "Weeks Work," Florists' Exchange, September 14, 1912.

APHINE is a spraying material, a composition of essential oils and nicotine, effective against green, black, white fly, thrips, red spider, mealy bug and scale. It can be applied to the tender foliage without injury, and it is an excellent cleanser for decorative stock. Price \$2.50 per gallon, \$1.00 per quart.

FUNGINE is a liquid sulphur composition. It is an infallible remedy for mildew, rust and bench fungi. It does not stain the foliage, but cleanses it. Used with success by the leading rose, chrysanthemum, carnation and sweet pea growers, also for fruit and vegetables. Price \$2.00 per gallon, 75c. per quart.

VERMINE A soil sterilizer and germicide which will destroy eel, cut, wire and grub worms, slugs, root lice, maggots and ants without injury to plants. It is applied at the strength of one part Vermine to four hundred parts water, thoroughly soaking the soil. Price \$3.00 per gallon, \$1.00 per quart.

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Monster Bulbs.....\$12.00 per 100			

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THE QUARANTINE LAW AND ITS ENFORCEMENT.

Mr. F. W. Kelsey of New York has sent the following letter, under date of September 13, to Hon. W. M. Hays, Acting Secretary, Department of Agriculture, Washington, D. C.:

Dear Sir:—Replying to your favor and inquiry of August 28th, asking "for advice and suggestions" regarding the recently enacted quarantine law, as this Act is now a law we shall all be compelled to make the most of it, whatever hardships, injustice or losses may result.

The law certainly confers upon the Secretary of Agriculture extraordinary power, which, let us hope, will be exercised with caution and reasonable restraint, on the principle that great power carries with it equal responsibility. We would respectfully ask and suggest that the rules and regulations relative to the enforcement of the Act be made as liberal as possible, in order to avoid, as far as may be, unnecessary burdens on the nursery and plant industry of the country. With this view, can you not include the following points in these regulations:

First—That a reasonable notice of, say, 60 days be given by publication and to interested parties, the Nurserymen's and Florists' Associations, etc., before the edict of quarantine is to become effective.

It is an extraordinary provision of law that an officer of our Government may at any time and without notice other than that of a perfunctory hearing, declare an edict of quarantine against everything and every species of material and from any country, that in his judgment, or the judgment of his board, may deem desirable. Such an act, it seems to us, is wholly unnecessary as applied to the purposes of this Act, and such a provision, we submit, is better adapted to the Bureau of Russia than the administration of law in this country. Without such notice any or all citizens of the United States may have placed definite orders with foreign correspondents, the material for which orders duly shipped, and after such shipment, on or before arrival of the material, be met with the Chinese wall of quarantine prohibition, producing utter and irreparable loss, where all parties in interest may have acted in perfect good faith.

Such a provision for notice should, in our judgment, have been inserted in the law. As it is not in the law, can you not see that it is included in the rules and regulations, or some method adopted by which the circumstance to which we have referred may be avoided?

Second—It seems to us in every way practical and desirable to avoid the issuance of an application for a permit for each and every invoice for material that any citizen of the United States may wish to obtain from any foreign state or country. The enforcement of such a technical feature of the law would add an enormous burden of detail, consequent loss, and annoyance to the whole nursery and plant industry, which we believe could be and should be avoided. Could not some form of blanket permit be given to reputable, reliable and responsible establishments legitimately engaged in the business that would fully answer the requirements of the law and of the Department, on their written assurances that no importation of any quarantine material will be made?

Third—We likewise deem it desirable

that the rules and regulations governing the Act should include a clearer definition in the matter of notification as in Section Second, and whether such notification of "the proper State, Territorial or District Official" will be sufficient, as the Act in this respect is somewhat ambiguous, the same as to the inspection clause referred to in Section Four of the Act.

Fourth—In the matter of hearings. While this gives a certain publicity to any anticipated quarantine action by the Department, it is a matter of common experience that very many persons—indeed, most persons—will suffer great hardships and serious loss before they will take the time and expense to go to a Government official or officials, where full arbitrary power, as in this Act, is conferred by law, and the administration of the law is in the hands of a Board, as in this instance, where those most interested, such as the nursery and florists' interests, have not even a minority representative, or any representation, on the official Board. Under such conditions pro forma public hearings frequently become hearings only in name. We refer to this without prejudice of or to a single member of the Federal Executive Board, for whom we have none other than respect and confidence, but state it as a principle, well known to men who have had experience in business and public affairs.

For these reasons we beg to suggest that the provisions of the Quarantine Law be not exercised, excepting after the most careful investigation and thorough determination as to the absolute necessity of such action; and we submit that force is added to this suggestion when we consider that had such a law been enforced during the past ten years, it would without doubt have resulted in enormous and in many cases needless losses, where the applied remedy would have been, as it will be under the present law, unless executed with the greatest caution, worse than the disease.

The writer has had more than thirty years' experience in the nursery business, is somewhat conversant with legislative matters, and these suggestions are respectfully submitted in response to your inquiry in view of the importance of the subject, and because we have full confidence in your intention and the intention of all of the heads of the Department to carry out the law in fairness and with as little injustice and loss to citizens as possible.

Cincinnati, Ohio—The marriage of Miss Beiniger, bookkeeper at Tromey's, and Geo. Sutter of Hamilton, Ohio, was solemnized on Tuesday of this week.

Mr. and Mrs. Julius Schumann of Newport are spending two weeks at Martinsville, Ind.

Visitors: I. Bayersdorfer, Philadelphia, Pa.; and Mr. Thomas, Augusta, Ky.

SURPLUS SHRUBS

FOR FALL PLANTING.

Large stock of Rose of Sharon; Deutzia, Pride of Rochester; Forsythia; Spirea, Anthony Waterer; Weigelia, three varieties, 25c. each. Kerria Japonica, 15c. each. All F. O. B. Southampton Station. No charge made for packing for cash orders.

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Horseshoe Brand Lily Bulbs

The crops of all early forcing lily bulbs of good quality are very short this year, owing to a lack of rain at the proper time. At such times many bulbs of inferior quality find a ready sale in the market. Those who want good lily bulbs should therefore not delay a day in placing their orders. The following are the revised prices for Horseshoe Brand bulbs, the best produced in the World. Immediate delivery.

LILIUM FORMOSUM.

Excellent stock—extra in size and quality.
Size 6/8 in., \$20.00 per case of 400 bulbs.
" 8/10 in., 25.00 per case of 250 bulbs.
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" 9/11 in., 19.80 per case of 180 bulbs.
" 10/11 in., 18.00 per case of 150 bulbs.
" 11/13 in., 18.00 per case of 120 bulbs.
We advise early orders—very limited stock.

LILIUM GIGANTEUM—(to arrive soon).

Size 6/8 in., \$16.00 per case of 400 bulbs.
" 7/8 in., 16.00 per case of 350 bulbs.
" 7/9 in., 16.00 per case of 300 bulbs.
" 8/10 in., 22.50 per case of 250 bulbs.
" 9/10 in., 22.00 per case of 200 bulbs.
" 9/11 in., 21.60 per case of 180 bulbs.
" 10/11 in., 22.50 per case of 150 bulbs.
" 11/13 in., 24.00 per case of 120 bulbs.

The above Giganteum are from the finest fields in Japan. Prices on Auratum, Rubrum, Magnificum, Album, etc., etc., upon application.

FRENCH BULBS.

From the celebrated fields of Martial Bremond, world's largest grower of French Bulbs.

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on Paper White Grandiflora, French Trumpet Majors and Freesias, if interested.

Prices are F. O. B. New York City, duty paid, terms three months or 2 per cent. ten days. A special discount of 5 per cent. will be granted only when cash accompanies the order.

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W. E. MARSHALL & CO.
Seeds, Bulbs, Plants
166 W. 23d ST., NEW YORK

CATALOGUES RECEIVED.

Conard & Jones Co., West Grove, Pa.—New Floral Guide, Autumn, 1912.

T. C. Thurlow's Sons, Inc., West Newbury, Mass.—Peonies, Iris and Phlox. A carefully selected list.

The Brecht Company, St. Louis, Mo.—Illustrated Catalogue of Refrigerators and Display Counters for Florists' Use. A handsome production.

Vaughan's Seed Store, Chicago and New York.—Fall Edition of Gardening Illustrated for 1912. Colored illustrations of Darwin tulips and Narcissi adorn the covers.

Stuart Low & Co., Bush Hill Park, Middlesex, England.—Select List of Desirable Plants. This catalogue includes many plants not often listed for greenhouse and garden.

Vincent Lebreton, La Pyramide-Trelaze, France.—Wholesale Trade List of Nursery Stock for 1912-1913. McHutchison & Co., New York, are sole agents for United States and Canada.

Thomas J. Grey Co., 32 South Market street, Boston.—Autumn Catalogue for 1912. A very tasty production. A fine view of the spring bulb border in Harvard Botanic Garden is used as cover illustration.

P. J. Looymans & Zonen, Oudenbosch, Holland—Wholesale Offer of Hardy Ornamental Trees, Shrubs, Evergreens, Roses, Conifers, etc. August Roelker & Sons, New York, are selling agents for this extensive nursery.

San Jose, Cal.—Miss M. W. Williams and J. W. Edmundson, formerly with C. P. Breslan have formed a co-partnership under the name of the California Seed Growers' Association with offices in the First National Bank Building. Their specialty will be California garden seeds. Miss Williams is secretary and treasurer and will have charge of the office. Mr. Edmundson is vice-president and manager and will travel for the firm.

A NEW GERMICIDE.

The Aphine Manufacturing Company, which is now manufacturing a general line of agricultural chemicals, and which in this issue for the first time is advertising its new germicide and soil sterilizer Vermine, reports that experiments made by experts with this product under various conditions have proven most successful. It has been tried in the greenhouse on carnation, chrysanthemum and rose benches for various worms and in each instance proved effective, destroying the worms in a few minutes after the material was applied and showing no injurious effects whatsoever on the plants.

In an experiment made on a bench of carnations literally loaded with the small eel worms and the plants already showing the injuries done by the ravages of the worm, a heavy application of Vermine was applied to the soil with the result that within five minutes the top of the soil was covered with the worms. Examination of the bench a few hours afterwards did not find a live worm, and the plants within a few days took on new life.

Phoenix attacked by ants were treated with Vermine with the result that the ants were effectively destroyed.

Outdoors the material has been tested against the white red-headed grubs, which are doing so much damage in many parts of the country, and applied to a cabbage patch which was being ravaged and it was found that where Vermine was applied the grubs could not live.

The manufacturers do not claim a new discovery; they have simply secured possession of a formula which has been successfully used for a number of years in one of the European countries.

HORTICULTURE is a grand paper and should be read by every florist.—E. C. M., Washington, D. C.

Our Introduction for 1913

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2. The **only** scarlet variety, which blooms all summer.
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7. Stands all kinds of weather.
8. Blooms early and continuous.

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Of Interest to Retail Florists

W. Bridgeman, of Galvin's, Boston, returned this week from his summer vacation.

Pittsburgh, Pa.—The Blind Floral Co. has closed its store at 5424 Center avenue. All business will be conducted from the greenhouses and the store at Fifth street and Liberty avenue.

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow..Sept. 27

American.

St. Louis, N. Y.-S'hampton..Sept. 28

Phila., N. Y.-S'hampton....Oct. 5

Atlantic Transport.

Minnehaha, N. Y.-London...Sept. 28

Minnewaska, N. Y.-London...Oct. 5

Cunard.

Campania, N. Y. Liverpool..Sept. 25

Franconia, Boston-Liverpool..Oct. 1

Mauretania, N. Y.-Liverpool..Oct. 2

Hamburg-American.

Cincinnati, N. Y.-Hamburg..Sept. 25

K. Aug. Vic., N. Y.-H'mburg..Sept. 26

Pennsylvania, N. Y.-H'm'burg..Oct. 3

Holland-America.

Potsdam, N. Y.-Rotterdam..Sept. 24

New Am'd'm, N. Y.-R't'd'm..Oct. 1

Leyland.

Canadian, Boston-Liverpool..Sept. 28

Behemian, Boston-Liverpool..Oct. 5

North German Lloyd.

K. Wilhelm II, N. Y.-Br'm'n..Sept. 24

K'n'g'n Luise, N. Y.-Br'm'n..Sept. 28

K. W. der G., N. Y.-Br'm'n..Oct. 1

G. Washington, N. Y.-Br'm'n..Oct. 3

Berlin, N. Y.-Mediter'nean..Oct. 5

Red Star.

Vaderland, N. Y.-Antwerp..Sept. 25

Lapland, N. Y.-Antwerp....Oct. 5

White Star.

Arabic, Boston-Liverpool....Sept. 24

Baltic, N. Y.-Liverpool....Sept. 26

Olympic, N. Y.-Southampton..Sept. 28

Canopic, Boston-Mediter'n'n..Sept. 28

Cedric, N. Y.-Liverpool....Oct. 3

Majestic, N. Y.-Southampton..Oct. 5

NEW FLOWER STORES.

Berkeley, Cal.—J. M. Holland, Shattuck avenue.

Youngstown, O.—Harry C. Walther, 29 West Wood street.

Spokane, Wash.—A. J. Burt, River side avenue and Lincoln street.

Philadelphia, Pa.—Mrs. J. Smith, Front and Westmoreland streets.

Westerly, R. I.—S. J. Reuter & Son, Inc., 36 Main street, about October 1.

Germantown, Philadelphia, Pa.—James Galt, Germantown and Erie avenues.

Flower Deliveries in

ROCHESTER, N. Y.

Salter Bros

38 MAIN STREET, WEST.

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Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Deliver orders from any part of the country to

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(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the principal cities of Europe and the British Colonies. Telegraph and Cable address, Dardsper.

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OUR exhibit during the Convention of the Society of American Florists at the Coliseum, August 20-23 was the only one of its kind awarded a

CERTIFICATE OF MERIT

The Mechanically Cooled Refrigerator was the first ever exhibited at a Florists' convention.

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Send flower orders for delivery in Boston and all New England points to

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124 Tremont St., Boston

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, BOSTON.

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Member Florists' Telegraph Delivery
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Vases, Garden Furniture, Art Goods and New Designs in Tuscan Baskets for Florists' Use, in Wholesale Department.

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Dana Hall, Walnut Hill and Rockridge Hall
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Tel. Wellesley 44-1 and 2. Night 44-3.

Of Interest to Retail Florists

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Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 76 Maiden Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Ed. MacMulkin, 194 Boylston St.
Boston—Penn, the Florist, 37-43 Bromfield St.

Boston—Jullus A. Zinn, 1 Park St.
Boston—Phillip L. Carbone, 342 Boylston St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan Ave. and 31st St.
Chicago—A. Lange, 25 E. Madison St.

Cleveland, O.—J. M. Gasser Co., Euclid Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Detroit, Mich.—Florists' Telegraph Deliveries, 153 Bates St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Washington Sq.

New York—George M. Stumpp, 761 Fifth Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th St.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

Providence, R. I.—T. J. Johnston & Co., 171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main St., West.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.

San Francisco, Cal.—The California Florist, 344-346 Geary St.

San Francisco, Cal.—Pelicano, Rossi & Co., 123 Kearny St.

Schenectady, N. Y.—J. C. Hatcher.
St. Paul—Holm & Olsen, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Tailby.

Worcester, Mass.—H. F. A. Lange.

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123 KEARNY ST.

BOSTON, MASS.

Penn the Florist

"Penn, The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET



**WASHINGTON,
D. C.**

GUDE'S

Member Florists' Telegraph Delivery.

Chicago.

A. LANGE,

25 E. MADISON ST.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

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The California Florist

JULIUS EPPSTEIN — FRANK H. FORBES

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We cover the entire Pacific Coast and West of the Rockies. Wire us your orders for all Steamers sailing for Hong Kong, Manila and the Orient. Regular Trade Discount



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You both will profit by using McCray Refrigerators. Don't cut down prices because of spoilage. Stop the spoilage. Our patented refrigeration will keep your stock fresh because of the perfect circulation of cold, dry air.

McCray Refrigerators

Are made not only in stock sizes but are built-to-order to suit your requirements. Write to-day for our Free Catalog No. 72 which will give you ideas to help you add to the attractiveness of your establishment.

McCRAY REFRIGERATOR CO.

Chicago Office, 55 Wabash Ave.
New York Office, 231 West 42nd St.

353 Lake St., Kendallville, Ind.

NATIONAL FLOWER SHOW, NEW YORK, 1913.

Chairman Chas. H. Totty of the National Flower Show Committee announces the following prizes for competition in addition to the prizes previously announced:

The Duchess Co. (N. Y.) Hort. Soc. will take up Class 210 of the Preliminary Schedule, covering six stove and greenhouse foliage plants, distinct, exclusive of palms, not less than 8-in. pots or pans, prize value \$50.

The Newport (R. I.) Hort. Soc. will offer a silver cup, value \$25, and the silver and bronze medals of the society, for competition by private gardeners, in classes to be determined upon by the management.

M. C. Ebel, Aphine Mfg. Co., Madison, N. J., offers seven-piece silver tea service, value \$100, for a group of flowering plants arranged for effect, covering 50 sq. ft., orchids, bulbs and flowering plants excluded.

The Morris Co. (N. J.) Gardeners' and Florists' Society offers a cash prize of \$50, to be awarded in the discretion of the committee.

The Nassau Co. (N. Y.) Hort. Soc. offers a silver cup, value \$50, to be awarded in one of the classes for private gardeners.

Albert Vick of Rochester, N. Y., offers a silver cup, value \$30, for award in any manner the committee may deem desirable.

Trade Exhibits.

The trade exhibition will be a prominent feature of the show. John Young, secretary of the S. A. F. & O. H., and manager of the trade exhibition at the show, has prepared diagrams showing the proposed layout of the three floors of the building to be used for the show and the spaces allotted to trade exhibits, and much space has already been taken. Rates for space are:

Main floor, \$1.50 per sq. ft.; second floor, \$1 per sq. ft.; and third floor, 75 cents per sq. ft. Copies of the diagrams may be had on application to John Young, 54 West 28th street., New York.

Foreign Exhibits.

Foreign exhibits will be admitted free of duty under act of Congress approved March 4, 1911, for the free entry of articles imported for exhibition

at expositions to be held in New York, the term of which act was recently extended three years. Any merchandise entered for exhibition under the act may be sold at any time during the exhibition (but withdrawal of it will not be allowed until after the close of the exhibition) subject to prompt customs entry at the close of the period of exhibition, and upon such entry the merchandise will be appraised and due allowance made for diminution or deterioration by reason of exposure or incidental handling. Merchandise not so entered within thirty days after the close of the exhibition will be sent to general order stores as unclaimed; or it may be entered for warehouse in the regular way. Copies of the act and the regulations in full, carrying same into effect may be obtained on application to Mr. Young.

Growing for a Foreign Exhibitor.

If any grower would care to grow bulbous plants for a foreign house, for exhibition at the show, he can learn particulars by communicating with C. H. Totty, Madison, N. J., who would appreciate the inquiry.

J. H. PEPPER,
Chairman Publicity Committee.



STUART LOW

In his office, 10 Bush Hill Park Nurseries

THE SOUVENIR ALBUM.

The Souvenir Album of the Chicago Convention is a most elaborate and beautiful production, worthy of the name and a credit to everyone concerned in its making and we advise our readers to be sure to obtain a copy before they are all distributed. We are informed by C. W. Johnson, Secretary of the Souvenir Album Committee, that copies can be purchased as follows: Single copies including postage, 35 cents; five copies by express, collect, for \$1.00. Address George Asmus, 2221-2223 West Madison street, Chicago, Ill.

All members of the S. A. F. & O. H. who did not obtain a copy at Chicago will have one mailed to them as soon as the committee can get the names checked up.

DIOON SPINULOSUM.

Our cover illustration shows one of the six plants which won the first prize, a silver cup, for W. A. Manda at the Royal International Exhibition. The first record we can find of this rare Mexican cycad was over the signature of W. R. Smith in the American Florist, January 7, 1892. Mr. Smith there spoke of it as promising to be a very popular decorative plant. The plant we illustrate was taken from South Orange, N. J., to England and back and since that time has produced a magnificent crown of new leaves which speaks well for its sturdiness and tenacity.

The sixth annual Dahlia and Flower Show will be held at Vincent's Dahlia and Canna Farm, Cowenton, Md., B. & O. R. R., in connection with the Harvest Home Festival of Ebenezer M. E. Church, on September 24, 25, 26 and 27, 1912. Special features to be seen are the largest greenhouse establishment in the state, the largest assortment of geraniums in the country, the great dahlia show of 80,000 flowers including over 300 varieties artistically arranged in the large exhibition hall, the dahlia and canna field of 65 acres, and an attractive display of Middle River Neck farm and household products. Lunch will be served by the ladies. R. A. Vincent, is chairman, White Marsh, Md., Harvest Home Committee. J. N. League, Chase, secretary.

"THE" FLORISTS' SUPPLY HOUSE OF AMERICA

Fall Business Is Now On

YOU WILL WANT TO STOCK UP

Magnolia Leaves, Green or Brown.

Oak Sprays, American, Green, Red and Leather.

Beech Sprays, Brown, Green, Leather, Cherry Red.

Oak Sprays, Italian, Brown, Green, Cherry Red.

Ferns of all kinds for fern dishes, decorations and arrangements on

Magnolia and other Wreaths.

The Parisian White Enamel and Ivory Finish Baskets. The newest, daintiest basket for high class trade, made of fine rattan, garlanded with flowers in appropriate colors. Some appreciating styles you should have, a few for display purposes.

Our New "Greunt" Paris Color Basket is a pronounced success. Get some; you will like them.

Our New Imperial China Ware is still growing in favor. There's no substitute for this classic china ware.

H. BAYERSDORFER & CO.

THE FLORISTS' SUPPLY HOUSE OF AMERICA

1129 ARCH STREET - - - PHILADELPHIA, PA.

CHICAGO NOTES.

Carl Cropp, Jr., has arrived home from his trip to Germany and his parents expect to sail for home on the 21st.

Local retailers report trade as excellent. At A. Lange's September wedding orders are unusually many and the lack of outdoor flowers makes the demand for florists' stock larger than usual.

Clifford Pruner and Clara Burkhardt at E. H. Hunt's, long since made an enviable reputation for accuracy and despatch in handling orders and are planning to surpass all previous records this year.

The Chicago Flower Growers' Association have added a fern shipper to their stockholders and he sends from 40,000 to 50,000 ferns weekly from Michigan, about one-half the supply needed for average use.

Hoerber Bros. will begin cutting chrysanthemums from their place in Desplains in another week. They think extremely early 'mums are not profitable. My Maryland and Pink Killarney are now coming on good.

Ed. Winterson, Jr., is one of the youngest men in the trade, but he unpacked alone and placed in the bins 69 cases of bulbs at the week-end. A singular affection of the finger tips always follows the handling of the bulbs, and as yet no preventive has been found.

The Blackstone Hotel, which is known for its lavish use of plants, is now having its Grecian Marble Room decorated for the season's opening with large palms. J. Mangel, who has charge of it, is proud of his Greek

origin and his word is law in the scheme of decoration.

The new Cluster Peppers referred to last week are now in the retail stores. They were introduced in limited quantities last year as an experiment and are proving highly attractive. The clusters are composed of from eight to twelve deep-red peppers, set in a tight mass and standing well above the foliage. Plants are stocky and each branch is topped with a cluster. The Stuppe Floral Co., of St. Joseph, Mo., sent it out unnamed and Jas. Hancock of Frank Oechslin's named it the Cluster Pepper.

Visitors: W. P. Craig, Philadelphia; C. C. Wonneman, Mexico, Mo.

OBITUARY.

William Thomann.

Though not in the trade, Wm. Thomann had devoted most of his leisure hours during eighty years to the cultivation of plants and flowers, and his home at 4420 Lyman avenue, Chicago, has been a beauty spot for years. With all of a German's love of nature he came to Chicago 44 years ago and where now stand tall apartment houses he had his beautiful flower gardens, the pride of his neighborhood. Who shall say this man did not do as much for floriculture as if he had stood behind a counter. His casket lay among araucarias and azaleas of his own growing and he was carried from the old home between oleanders fifteen feet tall. All cities need more such men.

TORNADO AT SYRACUSE.

The tornado that visited the vicinity of Syracuse last Sunday afternoon was felt at its worst about six miles from the center of the city, completely demolishing one of the best and most popular summer resorts. There were no florist or nursery establishments in its path, but many market gardeners suffered very heavily. H. M. Younglove was the heaviest loser; the dwelling was unroofed, furniture broken, paper stripped from the walls, the greenhouse completely demolished and the barn carried across several fields and ruined. Mr. Younglove and his family were away at the time.

No record of such a storm having visited this part can be found; everyone hopes they will never see its like again. The continuous flashes of lightning, with the heavy peals of thunder, the frightful humidity and the appalling darkness with a torrent of rain, made one feel the end of the earth was near.

H. YOEUELL.

NEWS NOTES.

Boston, Mass.—Means & Thatcher, 6 Custom House street, have been appointed eastern managers for the George M. Garland Construction Co., greenhouse builders of Chicago.

Brookline, Mass.—Albert H. Wood, a well-known grower of violets for the Boston market, whose establishment is located on Warren street, shot and instantly killed a man who was prowling about his place at 9 o'clock on Wednesday night, September 18. The man was later identified as Thomas Goldrop of Cambridge, having a wife and one child. Mr. Wood was arrested and held on a charge of manslaughter.

DAHLIAS

\$1.50—\$3.00 per 100

It pays you to remember that we are Headquarters for Dahlias of superior quality. Let us supply you, when you want something better than the ordinary stock.

DOROTHY PEACOCK

\$5.00 per 100

The finest pink Dahlia on the market.

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner 12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR
FLORIST'S
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THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST. BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

POEHLMANN BROS. CO.

Cut Flowers All the Year Round

33-35-37 RANDOLPH STREET,
Greenhouses, Morton Grove, Ill.

CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON September 19		CHICAGO September 17		ST. LOUIS September 17		PHILA September 17	
Am. Beauty, Fancy and Special....	15.00	to 25.00	20.00	to 25.00	15.00	to 25.00	20.00	to 25.00
" Extra.....	10.00	to 15.00	15.00	to 20.00	.....	to 10.00	15.00	to 20.00
" No. 1.....	6.00	to 8.00	10.00	to 15.00	.....	to 8.00	10.00	to 15.00
" Lower Grades.....	1.00	to 4.00	5.00	to 10.00	3.00	to 4.00	3.00	to 6.00
Killarney, Richmond.....	.50	to 5.00	2.00	to 8.00	.....	to 5.00	2.00	to 8.00
My Maryland, Kaiserin, Carnot....	.50	to 6.00	2.00	to 8.00	.....	to 4.00	2.00	to 8.00
Bride, Maid.....	.50	to 4.00	.....	to 3.00	3.00	to 4.00	.....	to 2.00
Taft, Hillingdon, Ward.....	.50	to 5.00	2.00	to 8.00	.....	to 2.00	2.00	to 8.00
CARNATIONS.....	1.00	to 1.50	1.00	to 2.00	1.00	to 1.50	1.00	to 3.00
MISCELLANEOUS								
Cattleyas.....	50.00	to 75.00	50.00	to 75.00	40.00	to 50.00	60.00	to 75.00
Lilies, Longiflorum.....	5.00	to 6.00	10.00	to 15.00	6.00	to 8.00	.....	to 12.50
" Speciosum.....	.....	to 3.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Lily of the Valley.....	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Gladiol.....	2.00	to 4.00	2.00	to 8.00	1.50	to 5.00	3.00	to 5.00
Asters.....	.15	to 1.00	.50	to 3.00	1.00	to 3.00	.50	to 2.00
Daisies.....	.....	to .50	.....	to 1.00	.15	to .35	.....	to 1.00
Sweet Peas.....	.15	to .50	.....	to 1.00	.15	to .25	.....	to 1.00
Gardenias.....	.....	to 12.50	.....	to 1.00	.....	to 3.00	3.00	to 8.00
Adiantum.....	.....	to 1.00	.....	to 1.00	1.00	to 1.25	.....	to 1.00
Smilax.....	8.00	to 12.00	10.00	to 15.00	12.00	to 15.00	15.00	to 20.00
Asparagus Plumosus, Strings (100)	.....	to 50.00	40.00	to 60.00	35.00	to 50.00	.....	to 50.00
" " & Spreng. (100 Bchs.)	25.00	to 50.00	25.00	to 50.00	15.00	to 25.00	.....	to 35.00

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

GEORGE B. HART

WHOLESALE FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati.

J.A.BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

CHICAGO CARNATION COMPANY

A. T. PYFER, Manager

30 East Randolph Street,

CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH
AND LAKE STREETS, CHICAGO

Flower Market Reports

BOSTON This market is very well supplied with roses, such as they are. The quality is improving from day to day and every new variety that has had any kind of a send-off of late is in evidence. Asters have fallen off in quantity as well as quality, but chrysanthemums are showing up here and there and will soon displace them. Carnations are not good yet, but they are more plentiful and will be a factor soon. Gladioli are still abundant, the light tints far out-selling the bright colored varieties. Lily of the valley was never better. Gardenias are beginning to assert themselves and catleyas have got nicely over the recent scarcity. The outlook is all good for supply in every line and general trade is gradually brightening up.

BUFFALO A better tone prevailed the past week in the flower market and trade was more satisfactory. The heavy supply of asters and gladioli, also roses, of a few days previous, has shortened up considerably and more satisfactory prices are obtained. Floral work helped to consume a good portion of stock and a few weddings were noticeable as white roses were in demand, together with lily of the valley and chrysanthemums. Beauties had a better call and Jardine, Maryland, Killarney and Sunburst are coming on better each day. Some good Bonsilene and Perles are to be had. There has been a fairly good demand for lilies, also greens, southern smilax and adiantum.

CHICAGO The faint signs of an awakening to active trade seen last week have developed into an assured fact and so rapidly has the change come about that it is hard to believe that such a transformation could come in so short a time. The principal cause is a shortage of stock where so lately there was a profusion. The thousands of asters are of the past, the few remaining ones being very welcome. Their companion of many weeks, the gladiolus, is about through with many shippers. Carnations are coming to the front but so short are the stems that they cut no figure in sprays or alone, so the demand is thrown to roses which are not as yet equal to it. Lily of the valley is scarce. The first dahlias and tritomas made their appearance this week and met a good reception. Ferns are rapidly going into cold storage and the quality is good. A few chrysanthemums are cut daily.

CINCINNATI Cooler weather and better business both came at the same time. An overloaded market during the hot days of the early part of the month has given way to one in which in most flowers the demand easily takes up all that arrives. The Jewish holidays have contributed their share to the general demand, especially for the fancy stock. The New York asters that arrived the early part of this week and last week stood the shipping well, and outside of a few that were poorly packed and thus bruised they were in excellent condition. Some pretty fair gladioli, too, are still offered and they are finding a good market. Among other outside flowers that are being used are cosmos and dahlias.

A Magnificent Lot of Field Grown CARNATION PLANTS



Our guarantee goes with every carnation plant we send out, thus insuring you the very best of quality and satisfaction.

VICTORIA	100	1000
COMFORT	\$7.00	\$60.00
HARRY FENN	8.00	75.00
BEACON	7.00	60.00
HARLOWARDEN	8.00	75.00
WHITE ENCHANTRESS	6.00	50.00
WHITE PERFECTION	8.00	75.00
WHITE WONDER	8.00	70.00
ALMA WARD	9.00	85.00
GLORIOSA	8.00	70.00
MRS. C. W. WARD	9.00	85.00
ENCHANTRESS	8.00	70.00
ROSE-PINK ENCHANTRESS	7.50	60.00
PRINCESS CHARMING	7.50	60.00
DOROTHY GORDON	10.00	
WINONA	7.50	60.00
BROOKLYN	12.00	100.00
QUEEN	6.00	50.00
BOSTON MARKET	6.00	50.00

HEADQUARTERS FOR GREENS

WILD SMILAX, \$6.00 per case.
 GREEN GALAX, \$1.50 per 1000; \$7.50 per 10,000.
 BRONZE GALAX, \$1.50 per 1000; \$8.50 per 10,000.
 LEUCOTHOE SPRAYS (green), \$1.00 per 100; \$9.50 per 1,000.
 GREEN SHEET MOSS, ten bbl. bales, nicely burlapped, each, \$4.00; 5 bale lots, \$3.75 each; 10 bale lots, \$3.50 each; 25 bale lots, \$3.25 each.

RIBBONS AND SUPPLIES. Many new patterns in exclusive Ribbons. Write us for prices on these and on Supplies.

S. S. Pennock-Meehan Co.
 THE WHOLESALE FLORISTS OF PHILADELPHIA

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 1608-1620 Ludlow St.

NEW YORK
 117 W. 28th St.

WASHINGTON
 1212 New York Ave.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI September 17	DETROIT September 17	BUFFALO September 17	PITTSBURGH September 17
ROSES				
Am. Beauty, Fancy and Special....	15.00 to 25.00	20.00 to 25.00	15.00 to 20.00	20.00 to 25.00
" Extra.....	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00	12.50 to 15.00
" No. 1.....	6.00 to 10.00	10.00 to 15.00	6.00 to 10.00	6.00 to 8.00
" Lower Grades.....	3.00 to 6.00	5.00 to 10.00	2.00 to 4.00	2.00 to 3.00
Killarney, Richmond.....	2.00 to 6.00	3.00 to 7.00	.....	3.00 to 8.00
My Maryland, Kaiserin, Carnot....	2.00 to 6.00	3.00 to 7.00	.....	.....
Bride, 'Maid.....	2.00 to 4.00	.....	2.00 to 6.00	.....
Taft, Hillingdon, Ward	2.00 to 6.00	3.00 to 7.00	3.00 to 6.00	3.00 to 8.00
CARNATIONS	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	..... to 2.00
MISCELLANEOUS				
Cattleyas .....	..... to .....	..... to	40.00 to 50.00	50.00 to 60.00
Lilies, Longiflorum	8.00 to 10.00	12.50 to 15.00	8.00 to 10.00	..... to 10.00
" Speciosum	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	..... to 4.00
Lily of the Valley .....	..... to	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Gladioli	1.00 to 3.00	3.00 to 4.00	2.00 to 3.00	2.00 to 5.00
Asters .....	.50 to 2.00	.50 to 1.50	.50 to 1.50	.50 to 3.00
Daisies .....	..... to .....	..... to .....	..... to .....	..... to
Sweet Peas .....	..... to .....	..... to .....	.25 to .50	..... to
Gardenias .....	..... to .....	..... to .....	..... to .....	..... to
Adiantum .....	..... to 1.00	1.00 to 1.50	.50 to 1.50	1.00 to 1.25
Smilax	10.00 to 12.50	..... to 15.00	..... to 15.00	..... to 15.00
Asparagus Plumous, Strings (100) ..	40.00 to 50.00	20.00 to 30.00	40.00 to 50.00	30.00 to 50.00
" " & Spren. (100 bchs.) ..	25.00 to 35.00	20.00 to 30.00	25.00 to 35.00	15.00 to 35.00

Roses are now selling better than they were. All varieties and all sizes are taken up.

DETROIT A great relief for all was the increased demand for goods which occurred last week. Those fortunate to have the order for balls and luncheons of the American Bankers' Association felt as if they were in the middle of the big season. Good stock suitable for such work was really scarce, while less-valued flowers—most of all asters and short carnations—glutted the market beyond redemption.

ST. LOUIS The market the last week looked up somewhat. The weather was cooler and the storemen bought heav-

ier than usual. There is some good stock of all kinds coming in now and at prices that are reasonable in all grades. Killarney is the best rose coming in now. Good asters are to be had in all colors. Carnations are slow coming as to grade but there is plenty of common short stock to be had. Gladioli holding out well. Lily of the valley and lilies make up the rest of the cut stock.

(Continued on page 42.)

N. F. McCarthy of Boston has now returned from the Isles of Shoals where he went to recuperate after a serious operation in the hospital and looks in fine fettle for the opening season's strain.

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square.

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send for
quotations. Correspondence with ship-
pers of first-class stock invited.
130 West 28th Street, New York
Telephones 4626-4627 Madison Square.

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462
1463 Madison Square New York

D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-13 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 756
Madison Square New York

WM. P. FORD
Wholesale Florists
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

ROBERT J. DYSART
PUBLIC ACCOUNTANT AND AUDITOR
Simple methods of correct accounting
especially adapted for florists' use.
BOOKS BALANCED AND ADJUSTED
Merchants Bank Building
28 STATE ST. - - - BOSTON
Telephone, Main 58

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe,
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. {1519} Mad. Sq. 113 W. 28 St., New York.
{5893}

REED & KELLER
122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist **SELLING AGENT FOR**
A full line of Choice Cut Flower Stock for all purposes. **LARGEST GROWERS**
by the 100, 1000 or 10,000. **The HOME OF THE LILY**
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

MONTREAL FLORAL EXCHANGE, LTD.
ORGANIZED FOR THE BENEFIT OF THE CANADIAN TRADE.
CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION.
Home-grown Stock a Specialty. STRICTLY WHOLESALE; NOTHING SOLD
AT RETAIL.
Ample reference furnished as to standing and financial ability of the company.
123 MANSFIELD STREET, MONTREAL, P. Q.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Tel. 759
Mad. Sq. 55 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS		Last Half of Week ending Sept. 14 1912	First Half of Week beginning Sept. 16 1912
American Beauty, Fancy and Special		10.00 to 25.00	10.00 to 25.00
" " Extra		6.00 to 12.00	6.00 to 12.00
" " No. 1		4.00 to 8.00	4.00 to 6.00
" " Lower Grades		1.00 to 4.00	1.00 to 3.00
Killarney, Richmond .....		.35 to 4.00	.35 to 5.00
My Maryland, Kaiserin, Carnot .....		.50 to 4.00	.50 to 5.00
Bride, Maid		1.00 to 2.00	.50 to 3.00
Taft, Hillingdon, Ward .....		.50 to 4.00	.50 to 5.00
Carnations		1.00 to 3.00	1.00 to 3.00

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones {1684} Madison Square
{1685} **CONSIGNMENTS SOLICITED**

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited
CENTRALLY LOCATED, THE HUB OF
THE FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., N. Y.
Telephone 7062 Madison

Telephone 3860 Madison Square
WOODROW & MARKETOS
WHOLESALE
Plantsmen and Florists
41 West 28th Street NEW YORK

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

Henry M. Robinson & Co.
Wholesale Florists
46 West 26th St., New York
Telephone, Madison Square 8510
Also 15 Province St., 9 Chapman Place
BOSTON, MASS.

Wired Toothpicks
Manufactured by
W. J. COWEE, Berlin, N. Y.
10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers



Flower Market Reports

(Continued from page 421)

On the whole there **NEW YORK** seems to be more business doing and the market has a tendency to be slightly on the upward grade, but of course the wholesalers are far from being really busy. It is a relief to find that the asters are about used up, but the glut of dahlias is likely to be with us for a few days yet. Roses are still improving, white varieties being in demand and but few to be obtained, while colored sorts are plentiful. We are getting now a good few chrysanthemums of very fair quality. Orchids have been plentiful this week, but of course they have not been wanted.

PERSONAL.

Frank Palmer is now employed by the Van Lindley Nursery Co., of Greensboro, N. C.

Thomas Pegler has taken a position in charge of the greenhouses of Mr. Wm. Butler at Brunswick, Me.

J. H. F. Macdonald, the Brattle Square Florist, Cambridge, Mass., has returned after several weeks' vacation in Canada.

P. Welch, of Welch Bros., Boston, is at his office this week, after a summer's absence on recreation and business well mixed up.

Miss Hattie Klagge, daughter of Robert Klagge, florist, 154 Gutschow street, Mt. Clemens, Mich., was married on September 11 to Carl F. Muelenhagen, of Detroit.

Fred Chyezewsky, formerly greenhouse manager for Alfred Campbell, Collingdale, Pa., has purchased property with 60,000 feet of glass on Newton road, Churchville, Pa.

Detroit visitors: W. P. Craig, of Robert Craig Co., Philadelphia; J. J. Karins, representing H. A. Dreer, Philadelphia; Mr. McGee, of Toledo, Ohio; Miss Flick, Fort Wayne, Ind.

Verner Bouter, formerly in charge of the Warren street store of P. R. Quinlan & Co., florists, Syracuse, N. Y., is now manager of the plant and flower department of a local department store.

The position of director of the New York State School of Agriculture, Alfred, N. Y., has been accepted by Prof. W. J. Wright, formerly in the department of horticulture of the Pennsylvania State College.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Sept. 14 1912	First Half of Week beginning Sept. 16 1912
Cattleyas	35.00 to 75.00	35.00 to 75.00
Lilies, Longiflorum	2.00 to 5.00	6.00 to 8.00
" Speciosum	1.00 to 2.00	2.00 to 6.00
Lily of the Valley	1.00 to 3.00	1.00 to 3.00
Gladioli .....	.50 to 2.00	.50 to 2.00
Asters .....	.10 to 1.00	.10 to 1.00
Daisies .....	.50 to 1.00	.50 to 1.00
Sweet Peas (per 100 bunches)	1.00 to 2.00	1.00 to 2.00
Gardenias	15.00 to 20.00	15.00 to 20.00
Adiantum .....	.50 to .75	.50 to .75
Smilax	6.00 to 8.00	6.00 to 8.00
Asparagus Plumosus , strings	8.00 to 35.00	8.00 to 35.00
" " & Sprei (100 bunches)	8.00 to 12.00	8.00 to 12.00

PHILADELPHIA NOTES.

Harry and Frank Michell, sons of Fred J. Michell of the H. F. Michell Co., started this week on a two-year course in agriculture at state college. By the time they get through they will know something of the theoretical as well as the practical. We trust these two promising young men will not get the idea that knowledge is the end—but on the contrary only the beginning—the means to an end.

Visitors: J. Elseman, "Penn," Boston, Mass.; Mr. Hahn and R. G. Wilson, Brooklyn, N. Y.; Nick Davis, Jacksonville, Fla.; W. R. Thomas, Atlantic City, N. J.; Messrs. Jones and Barberer, of the Jones & Russell Co., Cleveland, O.; Miss Barry, representing Z. D. Blackistone, Washington, D. C.; Mr. Pierce of Pierce & Co., Baltimore, Md.; H. L. Holmes, Harrisburg, Pa.; Will Rehder, Wilmington, N. C.

NEW YORK NOTES.

Peter Henderson's window display attracts all attention from passers-by. Bulbs interspersed with vases of asters are effectively shown.

Alexander Forbes has severed his connection with the firm of Peter Henderson & Co., and Patrick O'Mara has succeeded to his position.

F. Gomer Waterer of Bagshot, England, is visiting this city on the lookout for a grower to take in hand his rhododendrons for next year's International Exhibition at New York.

W. E. Marshall & Co. have moved into their new premises at 166 W. 23rd street. With a length of 100 feet and 18 feet in height the store will have a handsome appearance when finished. What with the moving and an extra busy time with bulb order shipments there is some work doing at 166.

As indicated in the Elliott Plant Auction advertisement in this issue, the stock in the Bonnie Brae Nurseries at New Rochelle, N. Y., is to be sold out. The material offered is good timely stuff in immediate demand and the opportunity will, no

doubt, be improved by florists and buyers.

ST. LOUIS NEWS NOTES.

Wm. Holtz has taken the position at Angermuller's vacated by A. W. Gunz. Mr. Holtz is well known among the buyers at the wholesale houses having once been head of Kuehn's wire shop.

Fred H. Weber furnished the big fall opening at Vandebort's department store on Monday, Sept. 16. The decorations consisted of plants, wild smilax and Beauties, and were very attractive.

The new wholesale firm opened its doors on Monday, Sept. 16th, with a lot of buyers ready to patronize, each wanting to be the first buyer. The stock was up to the average and the boys say they are well pleased at the business done the first day.

Visitors during the week were: R. Newcomb of Vaughan's seed store, and Guy Reyburn of A. Henderson & Co., Chicago.

HARDY CUT FERNS FANCY and DACGER

Galax, Boxwood, Laurel
Roping, Wild Smilax, etc.

Hartford & McDonough
70 PEMBERTON SQ., BOSTON

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

APHINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

AQUATICS

To Close for Cleaning Pool, 20% for Cash With Order.

Water hyacinths, the oddest, most beautiful and valuable plants; extra strong, in the finest condition; \$5.00-100, \$35.00-1000; second grade, \$3.00-100, \$18.00-1000. Blooming water hyacinths make leaders at 25c. retail. Cash, please. Texas Nursery & Floral Co., Box 178 Alvin, Tex.

ARAUCARIAS

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.
For page see List of Advertisers.
Asparagus plumosus, 2½ in. pots, at \$4.00 per 100. Ruxton Floral and Nursery Co., Ruxton, Md.

AZALEAS

P. Ouwkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Loechner & Co., New York, N. Y.
For page see List of Advertisers.

BAY TREES

McHutchison & Co., 17 Murray St., N. Y.
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Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Roelker & Sons, 31 Barclay St., New York.
For page see List of Advertisers.

Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

R. Vincent, Jr., & Sons Co., White Marsh, Md.
For page see List of Advertisers.

BEGONIAS

J. A. Peterson & Sons, Cincinnati, O.
For page see List of Advertisers.

Begonia Lorraine, \$12.00 per 100; \$50.00 per 500. Julius Roehrs Co., Rutherford, N. J.

BOXWOOD TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
Box Trees, all sizes. Ask for special list.

BOILERS

Kroeschell Bros. Co., 406 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

Lord & Barnham Co., 1133 Broadway, N. Y.

BOXES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BULBS AND TUBERS

J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

Ralph M. Ward & Co., 71 Murray St., New York.
Horseshoe Brand Lilies and French Bulbs.
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James Vick's Sons, Rochester, N. Y.
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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
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P. H. Goodsell, New York, N. Y.
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F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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Weeber & Don, New York, N. Y.
Double Narcissus Von Sion.
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Bulbs of all descriptions. Write for prices.
C. Keur & Sons, Hillegom, Holland.
New York Branch, 31-33 Broadway.

CALLAS

MacRorie-McLaren Co., San Francisco, Cal.
For page see List of Advertisers.

CANNAS

R. Vincent, Jr., & Sons Co., White Marsh, Md.
For page see List of Advertisers.

CAPE JASMINE

Cape Jasmine, fine cuttings, 8 inch and over, ready for rooting; 100 \$1.00, 1000 \$8.00, prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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F. Dörner & Sons Co., Lafayette, Ind.
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George Peters & Sons, Hemstead, N. Y.
Field-Grown Carnation Plants.
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B. G. Merritt & Co., Grange, Md.
Field-Grown Carnations.
For page see List of Advertisers.

FIELD GROWN CARNATIONS.

Constant cultivation, careful topping, good soil and sufficient moisture have made these the finest plants we have ever grown. Shipment the same day order is received. Cash with order unless your name is on our books.

	Per 100	Per 1000
20,000 Enchantress,	\$5.00	\$45.00
3,000 Vesper,	4.00	35.00
3,000 Queen Louise,	4.00	35.00

Virginia Nursery Co., Purcellville, Va.

Carnations, 700 Fair Maid, \$5.00 per 100. Wm. Capstick, Auburndale, Mass.

CARNATIONS—Continued

FIELD GROWN CARNATION PLANTS.
Per 100. Per 1000.

Enchantress,	\$6.00	\$55.00
Winsor,	5.00	45.00
Lawson,	5.00	45.00
Lady Bountiful,	5.00	45.00

Very fine stock. Plants run from 15 to 20 shoots. United States Cut Flower Co., Elmira, N. Y.

CHRYSANTHEMUMS

R. J. Irwin, New York, N. Y.
For page see List of Advertisers.

Charles H. Totty, Madison, N. J.

CHRYSANTHEMUM, THE. By A. Herington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 160 pages. Price 50 cents.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

R. J. Irwin, New York, N. Y.
For page see List of Advertisers.

Cyclamens, 3-inch pots, \$10.00 per 100; \$80.00 per 1000. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS

R. Vincent, Jr., & Sons Co., White Marsh, Md.
For page see List of Advertisers.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Woodrow & Marketos, 41 West 28th St., New York.
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DOUBLE CLAW HAMMER

Double Claw Hammer Co., Brooklyn, N. Y.
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FERTILINE

Elmer D. Smith & Co., Adrian, Mich.
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FERTILIZERS

Elmer D. Smith & Co., Adrian, Mich.
Fertiline.
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20th Century Plant Food Co., Beverly, Mass.
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Wm. Elliott & Sons, 42 Vesey St., N. Y.
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FERTILIZERS—Continued

United Fertilizer Co., Chicago, Ill.
Evergreen Brand Fertilizer.

Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

DOUBLE FARM CROPS. By restoring
soil fertility with Shell-Marl Land-Lime,
Wood Ashes Substitute, Ground Phosphate
Rock, Basic Slag. Endorsed, recommended
and used by experiment stations and lead-
ing farmers. Best results by applying in
the fall. Send for catalogue. Vermont
Marl Company, Brattleboro, Vermont.

FERNS

A. Leathy & Co., Roslindale, Mass.
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Godfrey Aschmann, Philadelphia, Pa.
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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Robert Craig Co., Philadelphia, Pa.
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Frank Oechslein, 4911 Quincy St., Chicago.
Ferns for Dishes.
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R. J. Irwin, New York, N. Y.
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F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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Adiantum cuneatum clumps, will divide
to make 4 to 6 plants, \$12.00 per 100.
Wm. Capstick, Auburndale, Mass.

Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.

Fern runners, fine stock Boston, Whit-
manii, Amerpohli, Springfieldii, \$1.80 per
100, \$15.00 per 1000. Roosevelt runners,
very fine, \$6.00 per 100, \$50.00 per 1000.
Roosevelt, 4-inch, \$15.00 per 100, 5-inch,
\$25.00 per 100. Asparagus Plumosus, 4-
inch, handsome stock, \$5.00 per 100. 50,000
sq. ft. of glass at Cleveland, O., devoted
exclusively to ferns. I have the best stock
to be had anywhere. Prices are low, for
cash only. Schneider, Florist, Springfield,
O.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
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FLORISTS' SUPPLIES

N. F. McCarthy & Co., 112 Arch St.,
Boston.
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H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass., and
46 W. 26th St., New York.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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S. S. Pennock-Meehan Co., Philadelphia,
Pa.
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H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.
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Welch Bros. Co., 226 Devonshire St.
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FLOWER POTS.

W. H. Ernest, 28th and M Sts.,
Washington, D. C.
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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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FREESIAS

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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FREIGHT TRUCKING

Theo. Ficke, New York, N. Y.
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FUNGINE

Aphine Mfg. Co., Madison, N. J.
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GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
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Kervan Co., New York.
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Hartford & McDonough, Boston, Mass.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr., & Sons Co., White Marsh,
Maryland

For page see List of Advertisers.
NEW GERANIUM "HELEN MICHELL."
The best clear scarlet Bedding Geranium
ever offered. See Adv., page 384. 2 1/4 in.
plants (ready from January, 1913), \$2.50
per doz.; 100, \$15.00; \$125.00 per 1000.
Orders Booked Now.

MICHELL'S SEED HOUSE,
Philadelphia, Pa.

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IVIES

English Ivy, strong, at \$8.00 and \$12.00
per 100. C. Winterich, Defiance, O.

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Charles E. Frankenbach & Sons,
Southampton, N. Y.
Shrubs for Fall Planting.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

**TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.**
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

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Importer, Exporter, Growers, Hybridists.
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ORCHID GROWERS' MANUAL

By B. S. Williams, 300 illustrations, 800
pages; descriptions of upwards of 2500
species and varieties of orchidaceous
plants, etc. The most complete work on
Orchids and Orchid Culture ever pub-
lished. Price \$10.00.
Orders filled by HORTICULTURE, 11
Hamilton Place, Boston.

PALMS, ETC.

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Julius Wolff, Jr., Philadelphia, Pa.
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PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

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PEONIES

Peonies. The world's greatest collection,
1200 sorts. Send for list. C. Betscher,
Canal Dover, O.

Peony roots, white, pink, red and yellow,
\$3.00 per 100 and up. Send for list.
Thomas J. Oberlin, Sinking Spring, Pa.

PHOENIX ROEBELINII

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Seele's Tieless Plant Stakes and Trel-
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.
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Rapids, Iowa.

POULTRY AND FRUIT REVIEW

The Rex Company, Harrisburg, Pa.
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PRIMULAS

Primula malacoides, 4 in. pots, at \$8.00
per 100; 2½ in. pots, at \$4.00 per 100.
Primula obconica (best strain), 2½ in. pots,
at \$3.00 per 100. Ruxton Floral and Nur-
sery Co., Ruxton, Md.

Chinese primroses, extra fancy double
and single, mixed, 3½-inch, \$8.00 per 100,
\$70.00 per 1000; 2½-inch, \$3.00 per 100,
\$25.00 per 1000. Primula obconica grandiflora,
fancy, good mixed colors, 3½-inch,
\$5.25 per 100, \$50.00 per 1000. 250 at 1000
rate. Try them. Alonzo J. Bryan, Wash-
ington, N. J.

Primulas, all 2-inch pots. Malacoides,
Chinese, Forbesi, obconica alba, rosea, lilac,
rubra, hybrida, compacta, carmine, blue,
sanguinea, giant rosea, giant mixed. Ke-
wensis, \$1.50 per 100. All fine, strong
stock. Cash. Byer Bros, Chambersburg,
Pa.

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400 Radiance Roses, 4 in. pots, at \$10.00
per 100. 200 Golden Gate 4 in. pots, at
\$8.00 per 100. Ruxton Floral and Nursery
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- J. H. Sprague, Barnegat, N. J.
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- Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

STOVE PLANTS

- Orchids—Largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

STRAWBERRY PLANTS

- P. H. Goodsell, New York, N. Y.
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- Fall Bearing Strawberry Plants, best
varieties. Catalogue free. Basil Perry,
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- Daniel Hiffe, Boston, Mass.
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VIOLETS

- Violets, Prince of Wales, strong, healthy,
field plants, \$6.00 per 100; \$55.00 per 1000.
Charles Lenker, Freeport, L. I., N. Y.

VINCAS

- Vincas, variegated and green. Extra fine
field-grown clumps, very branchy, can be
divided, ready now, \$5.00 per 100; \$45.00
per 1000. Send orders early and we ship
when you are ready. Try them. Alonzo J.
Bryan, Washington, N. J.

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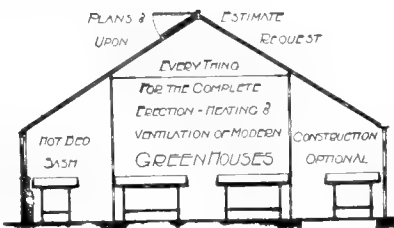


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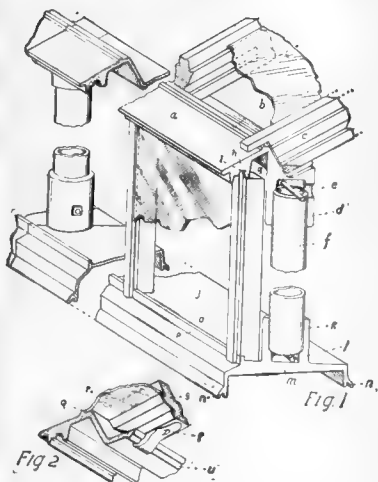
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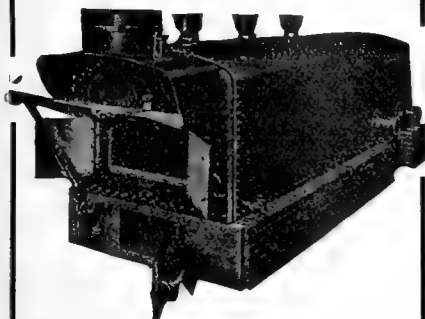


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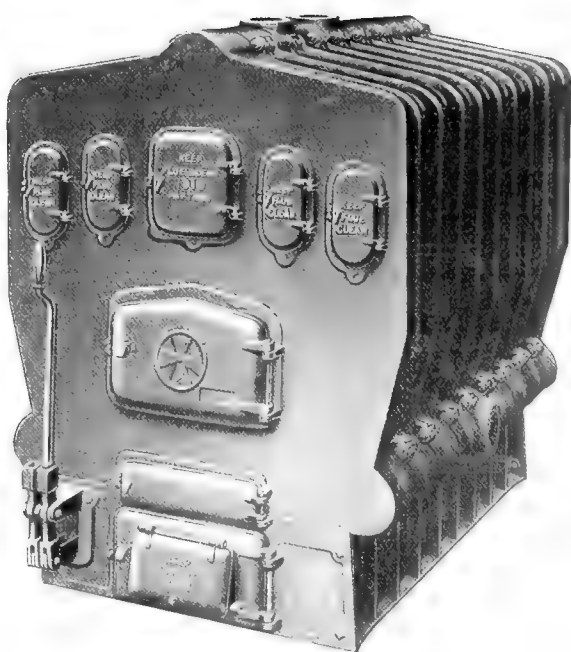
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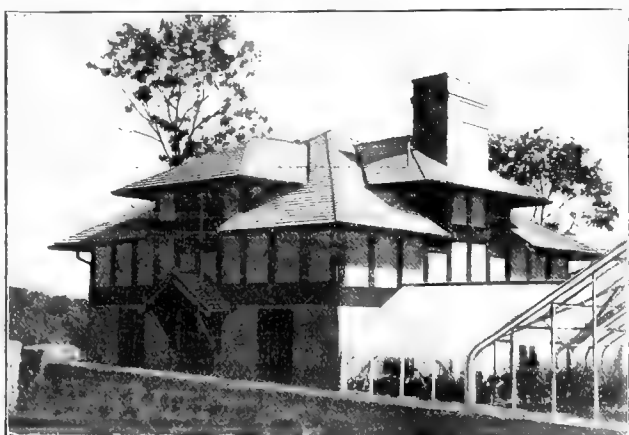
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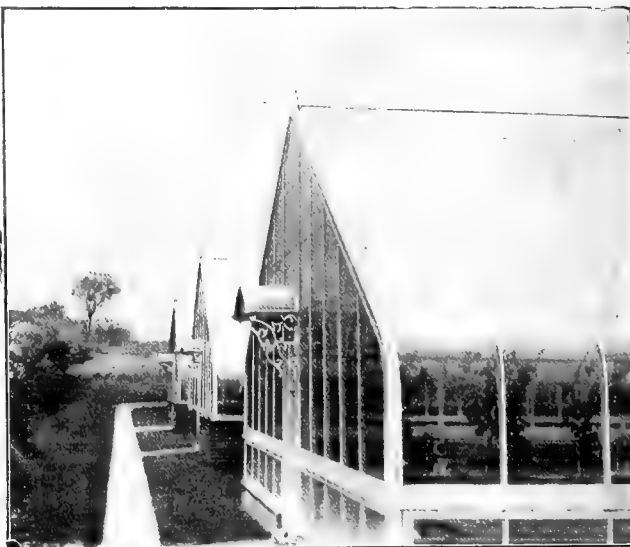
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HORTICULTURE

Vol. XVI.

SEPTEMBER 28, 1912

No. 13



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4.1. Application to Six-Parameter Heptahedra

Accepted: 15 June 2005

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Ardisiás

In order to develop the coloring of their berries, the plants should have a bench in a sunny house and abundant ventilation. When kept too warm and overhumid they will make a premature growth of foliage which is not wanted at this time. They should be kept from 50 to 55 degrees at night where you want well done plants for the Christmas trade. Go over the plants often and give a turn around so that the sun may reach them on all sides. It is important to look carefully to watering, because when allowed to become too dry or too wet at the roots the plants will soon show permanent injury. For the prevention of brown scale which invariably troubles these plants they should be frequently sponged with some good insecticide. Do not crowd the plants, but give them plenty of room between so that the berries will have a chance to color up.

Chrysanthemums

Keep the atmosphere of your chrysanthemum house dryer now for this is essential where a perfect finished flower is wanted. Keep the house cool by giving plenty of ventilation, both day and night, even if you have to keep a little fire in doing it. Keep the plants well tied up; they should be gone over at least every ten days. It is not possible to disbud a whole house at one time, so they should be looked over very often to do it right. Give your specimen plants intended for exhibition a systematic feeding until they show color. Liquid feeding can be done three or four times a week, but taking great care not to use it too strong or too often, as there is danger of getting the soil sour, hence the necessity of good judgment in feeding. Keep the plants clean by frequent fumigating.

Care of Violets

Give your violets faithful attention from this out. Exercise judgment in watering. Examine the soil in several places on the benches, especially about the sides and ends as they always dry out more quickly than in the middle of the bed. On all bright days syringe in the early part of the morning so the foliage will dry out before night. Keep on plenty of ventilation both night and day so they can have a constant supply of pure air, which is favorable to their proper development, helping to keep the atmosphere from becoming stagnant and over moist. Give the plants a good cleaning often, removing diseased or spotted foliage and also keep all the runners pinched off. Where plants are showing a vigorous growth, they can have a light mulch of very old manure

spread between the rows. Guide your temperature by common sense and keep it as near 40 to 45 degrees at night as possible. Fumigate lightly often to keep the greenfly in check.

Lilium longiflorum giganteum

This is a very satisfactory lily to grow for the Easter trade. The bulbs can be potted any time during October and will come in all right, but, of course, the earlier they can be potted up the better, as Easter comes very early next year, falling on March 23. Give them a rich bulb compost and use either 6 or 7-inch pots. After they are potted they should be placed outdoors in a cold frame where they will make fine roots. Cover the pots with 5 or 6 inches of soil, and if we have very heavy rains give them some protection as they do not like to be saturated. Where they are kept in a nice even state of moisture, they will make enough roots by the middle of December to be brought in and placed on a bench in a house where the temperature is about 50 degrees at night.

Home-Grown Shrubs for Forcing

There are quite a few florists who grow their own shrubs for forcing purposes now. Those who plant their shrubs in good rich ground with proper care afterwards, such as a good dressing of manure in the fall and bone and wood ashes applied in the spring will grow fine shrubs in two or three years by using good size stock when planting. So make a plantation now. Where you have been growing this stock for forcing, now is the time to dig them up with all the roots possible, and pot firmly. This will give plenty of time to become established before the cold weather sets in. When done at this time they soon take hold of the new soil with a lot of new roots. They should be stood in some place that is handy to water so they can be watered when they want it and an odd spraying will put them in condition for use. Before the real winter sets in they should be plunged in some deep frame until wanted. Flowering almonds, hawthorns, *Pyrus japonica*, *deutzias*, *exochordas*, *philadelphus*, *prunus*, *spiraeas*, *lilacs*, *viburnum*, etc., are all useful subjects.

Pansies

Transplant pansies now if you have not already done so. Prick them out in coldframe, 4 or 5 inches apart in good rich soil, and give them a good watering. Do not put on the sashes too early as the pansy is a cold-blooded plant and will not need any protection even if the thermometer does go below the freezing point until the end of November. Then they should be only protected during cold weather. Take advantage of all mild weather to give them ventilation.

Mr. Farrell's next notes will be on the following: Antirrhinums; Allamandas; Cluearias; *Hydrangea arborescens*; Orchids; Oxalis.

HORTICULTURE

VOL. XVI

SEPTEMBER 28, 1912

NO. 13

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.
 WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

Per inch, 30 inches to page..... \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.
 Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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try at this season of the year. Whether by donations of plants or seeds in the spring time or prizes or exhibits at the show or by serving as judges, these men are doing worthy service for horticulture which will bear good fruit in the coming time. It is the duty of every local florist and gardener to display an interest in and lend their aid to all such local affairs and to extend favor and support to those who are conducting such even if it does entail a little trouble and business interruption. There should be many more of these local shows in every community and the florist who helps to promote them is doing a lasting service for himself as well as for the people and for the advancement of horticulture.

The big exhibition furnished by Secretary Young it appears that trade space for the great show at Grand Central Palace, New York City, next April, is being rapidly taken up, despite some occasional grumbling at the high rentals demanded. A visit to this magnificent building cannot but convince anyone that much higher rates than we have been accustomed to are here imperative. As to whether the amount of business done will justify the outlay from the standpoint of the commercial exhibitors remains to be demonstrated, but the trade seems disposed to take the chance with confidence that in this great hive of six million people, the returns will be adequate, and we hope, for the sake of these enterprising exhibitors and the future welfare of the national society and the horticultural trade interests generally that they will not be disappointed. After all, this exhibition business is still in the experimental stage and it will be many years before it is anything else or its possibilities are fully grasped. An enterprise such as this New York show is a big undertaking but we shall get wisdom from experience and the next one will not look so formidable.

As the date approaches for the new inspection and quarantine law to go into effect much concern is felt by plant importers as to the method of procedure in the case of shipments now on the way or about to start from foreign ports. Up to the present moment very little exact information as to the rules to be followed seems to be available. It is fair to expect, until there is evidence to the contrary, that the department officials intrusted with the enforcement of the law will exercise all possible leniency, in view of existing uncertainties as to details and the inadequate time given in which to prepare. It should be borne in mind that these officials are in no way responsible for the edict and that nothing can be gained now by opposition or resentful utterance. Opinions differ as to the ultimate effect of this legislation upon the importing business, but whether just or unjust, wise or unwise, the law is on the books and must have a trial and the best attitude for all concerned is one of forbearance and willing compliance as far as possible. This is no time for any display of animosity or acrimonious criticism.

We cannot too heartily commend the friendly and encouraging attitude of many of the leading representatives of the horticultural profession towards the school children's exhibitions and other neighborhood flower shows of which there are so many in various parts of the coun-

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

The Manure Pile

This should not be neglected by any means. Do not allow your manure to lie all over unprotected. Surely you can find enough boards to build even the crudest shed to protect your manure heap from heavy rains, sun, etc. For sanitary conditions we would recommend a building on the two-story plan—the lower story being open and screened to be used for storing manure while the upper can be used as storage for fertilizers, etc. The object of having the lower story screened is to keep the common house fly away from it as flies breed in manure. Look after manure now piled and turn it over as often as possible, breaking up all the big lumps and thus gradually preparing it for the rose bench. Strawy manure should be well decomposed before it is used, or a large part of the straw may be removed during the first turning over that the manure receives.

If you have no concrete floor in your shed do not let the liquids go to waste. Have some good sod brought in and scattered where the liquids collect. This sod will absorb all these and can then be carted away and used on the lawn or mixed in with other sod when planting. It should never be used as soil alone for it will contain such large quantities of plant food that few things would grow in it and then only if it were kept very dry.

Disbudding

Do not neglect disbudding. Go over all your plants every week—say twice, and see that no buds are missed. This disbudding applies especially to Killarneys, although all roses will require more or less disbudding. If you have no use for short Beauties—that is real short, say 4's and 3's—go over all your plants and take out the buds while they are still very small; the smaller the better. In pinching always take one leaf and in some cases two leaves out with the bud so as to be sure to have a good strong eye to break from.

Grading the Cut Blooms

In grading make sure that all the stems are of the proper length. It does not pay to mix extras among the fancies, neither No. 1's among the extras. If you do this the buyers will soon "get wise" and your stuff will not realize the best price even though the roses are good. Another mistake often made is to put in any old bloom that you happen to find. Perhaps you think that you will receive full payment for it, same as for the many good ones. Keep the poor roses at home and do not send any to the market. Try and secure a steady market for your roses by always sending roses of only a No. 1 quality and no rubbish. Overblown roses will not pay for express at times, so see that your roses are all cut in time.

Syringing

From now on plants syringed in the morning will hardly dry off properly by night unless they receive a good shaking right after syringing. We always try to have the foliage on all our plants dry at 1 P. M. and

that gives the whole house a chance to dry out a little before sunset. Do not forget the lime as the last thing and see that it is properly blown under the plants. Do not press the bellows so hard that the blast of lime will blow across the bench and out into the walk on the other side. Little puffs are best. Just blow it under the plants and it will gently rise up right through the foliage, taking a large amount of moisture with it.

Soot

Houses that are well advanced in growth—say those that have been cutting fancies and extras with a few specials, will be greatly benefited by an application of a light dose of soot. Of course we would use only a little, especially if the house had been mulched only a short time before. This application will do a great deal toward giving the buds a richer color.

Cropping Killarneys

Where several houses of these are grown we find it best to have each house come in crop at once instead of breaking up the crop and cutting all the time. By running the whole house to crop at one time the feed, temperature, and, in fact, all can be arranged so as to give best results. To explain: If you have a house of roses growing stem only, why it is a very simple matter to apply feed to push them along. This feed can be discontinued whenever it is necessary. Not so with houses cutting all the time. Here you have young stem, bud and bloom on the same plant and you must try to suit them all. Of course where only a few plants are grown it is best to break up the crop, but for commercial work, give us the cropping and alternating the houses plan.

Sulphur on Steam Pipes

Even though your plants appear perfectly healthy a little sulphur applied to the steam pipe every twenty or twenty-five feet will not harm the plants in the least and at the same time destroy any mildew or other fungus growth that may be trying to gain a foothold in the house. Do not paint all your steam pipes this way; one pipe for each 20 feet of width will be plenty.

Sand

Now is the time to see about your sand supply. Get it now and store it away in some perfectly dry place where no rain can get to it. This will keep all kinds of fungus and insect life out of it and make it much more safe to use for propagation. By the way, has the old sand been removed from the benches of the propagating house? Or is it still in there well mixed with old soil, pots and old coleus or some such bedding plant that may have had the misfortune to be among the surplus plants? Clean out your propagating house by all means. White-wash the benches thoroughly and let it remain idle for awhile. It will do good, and you will find your sand will remain much nicer and sweeter than if the beds are allowed to be overrun with rubbish and then cleaned in a hurry to make room for the cuttings.

THE EXHIBITIONS

CONNECTICUT HORTICULTURAL SOCIETY.

This society's annual Dahlia Exhibition was held Sept. 19-20, at Unity Hall, Hartford, and has passed into history as the most successful one, from an artistic viewpoint, that we have ever given. Good weather, a pretty fair attendance, and the participation in the competition of several non-state specialists, combined to make a magnificent dahlia exhibition. Many other seasonable flowers were displayed, such as asters, gladioli, snapdragon and annuals and perennials. The stage was embellished by a handsome collection of plants from the greenhouses of Mr. James J. Goodwin of Hartford, and the pillars and side walls were decorated with asparagus and hydrangea blooms.

Among the non-state professional exhibitors were George H. Walker of North Dighton, and W. D. Hathaway and Forbes & Keith of New Bedford, Mass., but unfortunately the exhibits of the two latter were received too late to enter into the competition; Mr. Hathaway being detained in an automobile journey to Hartford, by bad roads, and Forbes & Keith's display arriving by express several hours after the judges. C. H. Sierman of Hartford and Carl Peterson of West Hartford, had begun their work. Of the state professional growers, President John F. Huss, J. H. Slocombe of New Haven, N. Nelson of Hartford, W. F. Jost of East Haven, and Warren S. Mason of Farmington, all had fine collections, and took more or less prizes.

About the hardest knot for the judges to solve was the Arthur T. Boddington prize for the best collection of vegetables. The decision was as follows: First, J. Alfred Weber; second, John F. Huss; third, A. Righenzi. The Lenox Horticultural Society's established scale of points was used in this judging. Secretary George W. Smith of Melrose was the only exhibitor in fruits; his display being made upon a folding wire plant stand having three trays filled with assorted fruits, and decorated with wreathing of ground pine, and umbels of high-bush cranberries.

Apples, pears, quinces, plums, grapes and prunes were used in this collection, and the words "Eden Fruit Farm" were spelled in letters made up of the cranberries.

The following were the winners of the other special prizes:

H. L. Metcalfe, prize for the largest dahlia bloom; 1st, A. Righenzi, 2d, Charles J. Barbour; Thomas J. Gray Company, prize for 25 named varieties of dahlias; 1st, Charles J. Barbour; 2d, A. Righenzi. Anonymous, prize for 6 vases of gladioli; 1st, E. L. Whiting, 2d, C. H. Sierman, prize for dahlias in pots; 1st, John F. Huss, Joseph Brock & Sons, prize for asters; 1st, H. L. Metcalfe; 2d, A. Righenzi. Stunapp & Walter Company, silver cup for the collective exhibit of greatest merit, John F. Huss. Certificates of merit were awarded to John F. Huss for collection of decorative plants; W. D. Hathaway for collection of dahlias; W. W. Hunt & Co. for collection of conifers, bay and evergreen trees; Forbes & Keith for collection of dahlias; special mention to the Whiting Greenhouses (Carl Peterson, Manager), West

Hartford, for flesh-pink sport of "My Maryland" rose.

GEORGE W. SMITH, Sec.
Melrose, Conn., Sept. 23, 1912.

AMERICAN INSTITUTE.

The American Institute of the City of New York held its eighty-first fair at the Berkeley Lyceum Building on Sept. 24th to 26th. Dahlias were the principal item on the schedule and the display of these was of first class order although be it said some of the exhibitors were far from being in full cut. The professionals were represented by Julius Roehrs, Rutherford, N. J., who was awarded a special prize for a fine collection of ornamental and flowering plants. In the competitive dahlia classes the chief prize winners were the following: T. W. Head, Bergenfield, N. J.; David Herbert & Son, Atco, N. J., and George L. Stillman, Westerley, R. I. All the classes were represented and on the whole the flowers were of fine size and in excellent color. Some very pretty new ones for distribution next spring were shown



CONNECTICUT HORTICULTURAL SOCIETY
A New Way of Showing Fruit.

by T. W. Head in the peony-fl. we el class—Picador, a very attractive soft pink being about the best. This exhibitor also took a special card for Amber, a new single. A. N. Pietsen was showing his new rose M'ladi in fine form and C. H. Totty had a vase of his new No. 190, in exquisite color. In the amateur classes the following well known exhibitors were to the front, H. Darlington, Mamroneck, N. Y., P. W. Popp, gard.; Mrs. J. Matheson, Huntington, N. Y., Jas. Kirby, gard.; N. Harold Cottam, Wappingers Falls, N. Y.; W. H. Duckham, Madison, N. J.; Mrs. Stuyvesant Fish, Garlison on Hdsen, W. H. Macbean, gard.; J. A. Macdonald, Flushing, L. I., R. Hughes, gard.; Miss C. A. Bliss, New Canaan, Conn., J. T. Burns, gard.

The competition in the fruit classes was not very great, but there were a few dishes of grand apples and the native grapes made a good show. Vegetables were not shown in quantity, but among the exhibits were some of much merit.

HUNTINGTON HORTICULTURAL AND AGRICULTURAL SOCIETY.

The Tenth Annual Fall Exhibition of the Huntington (N. Y.) Horticultural and Agricultural Society was held on September 17 and 18. The number of exhibits exceeded that of any show given by the Society, and the general quality was very good. Fruit was not so plentiful in this locality this year.

The most conspicuous features of the show were the dahlia exhibits of W. J. Matheson and R. R. Conklin, and the display of named gladioli and other bulbous flowers by John Lewis Childs. The exhibit by the school children from the products of the seeds distributed to them attracted much attention.

August Heckscher, S. Riddell gard., won first for adiantum, nephrolepis, table beets, string beans, fall pippin apples; Walter Jennings, Thos. Leyden gard., 1st for flowering plant, decorative plant, collection of vegetables, pumpkin, mangel beets, Baldwin apples and plums; R. J. Kelly, W. Stuggings gard., 1st for 12 roses, watermelon, tomatoes, parsnips, bush limas; Robt. Hewlett, 1st for begonias and parsley; W. J. Matheson, Jas. Kirby gard., 12 dahlias, collection dahlias, 12 cactus dahlias (winning the Stafford cup for the third time), perennials, potatoes, field corn, mangel beets yellow, eggplant, apples in three classes; M. B. Smith, A. Hart-ridge gard., annuals, celery and sweet corn; R. R. Conklin, E. S. Smith gard., asters, onions, spinach, artichokes, Country Gentleman corn, pop corn, apples, pears and grapes; W. Riddell, first for bridal bouquet and floral centerpiece; Wm. L. Boardman, cabbage and rhubarb; Ridgeleigh Fruit & Poultry Farm, pumpkin, tomatoes, lima beans, peas, sunflower, Keiffer and Bartlett pears, peaches; R. A. Rainey, Richard Cartwright gard., Hubbard squash, biggest pumpkin, col. pumpkins and squashes, rutabagas, seed corn; L. I. R. R. Experimental Sta., No. 1, musk melon, onions for size, apples, sweet potato, salsify and apples; E. L. Meyers, E. H. Monquin gard., peaches and eggs; Miss C. Prime, carrots, leeks, peppers, ogra and lima beans.

A. H. FUNNELL, Secretary.

NEW ENGLAND DAHLIA SOCIETY.

The New England Dahlia Society opened its fifth annual exhibition in Horticultural Hall, Boston, September 20. A brilliant display of blooms filled 20 tables, and attracted many visitors. The largest entry was that of J. K. Alexander of East Bridgewater, who had four tables, showing 1200 blooms of about 500 different varieties. The Fottler, Fiske, Rawson Company showed, besides a considerable variety of dahlias, a handsome lot of gladioli. Edgar W. Ela exhibited in 13 classes. The principal prize winners in addition to the foregoing were Geo. L. Stillman, Mrs. L. A. Towle and Geo. B. Gill in the commercial classes. In the amateur classes, P. A. Mansfield, J. E. Stokes and O. B. Oakman were prominent. In the seedling classes awards were made to E. F. Dwyer, A. E. Johnson, H. B. Wirth, J. E. Stokes, Christian Miller and L. C. Parker.

L. Merton Gage, of Groton, Mass., is happy in the possession of a seedling gladiolus of unprecedented size and beauty which has just bloomed. The individual flowers are 5½ inches across and a clear unmarked rose pink. This is one out of 150 good ones that have now flowered for the first time.

CLUBS AND SOCIETIES

LANCASTER FLORISTS' CLUB.

At this our first meeting we had a fine display of chrysanthemums from Rudolph Nagle and some choice carnations from Amos Rohrer. The president, A. M. Herr, gave a short talk on the S. A. F. meeting in which he deplored the fact that he had never seen any notices in the trade papers of bequests being left to this Society. He urged the members to support the S. A. F., saying that it takes money these days to accomplish anything and this trade will never take its proper place in the world until we have a permanent headquarters, preferably in Washington with our Secretary always there and ready for business with power to employ legal or other talent whenever it is to the best interests of the trade to do it.

The Publicity Campaign launched at this meeting had better never seen daylight than to attempt it without the money to employ the proper talent to carry it to completion. This is not said as a criticism of the S. A. F., but to show the numerous ways in which a dollar properly expended will multiply itself a hundred fold and this club will want to attend the Flower Show next spring almost in a body and then will be a good time to join the S. A. F. Some day the powers that be will wake up to the fact that money in an association of this kind is best invested when spent for the general good, and when this awakening comes the more there is to spend the quicker will be the results. Quite a bit of enthusiasm was created and it is likely there will be a good representation at the show next spring from this club.

In a general discussion for the betterment of our own club it was decided to have the monthly notices open to any announcements of wanting to buy or wanting to sell stock of any kind in a local way only. A committee was appointed for the purpose of arranging visiting tours among the various growers during the season, and the Program Committee gave a program up to and including the January meeting.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Examining Committees.

President Chas. H. Totty announces the committees to examine new chrysanthemums for the ensuing year which are as follows:

Boston—Wm. Nicholson (chairman), James Wheeler, Alex. Montgomery. Ship flowers to Boston Flower Exchange, C Park street, care of chairman.

New York—Eugene Dailedouze (chairman), Wm. H. Duckham, A. Herrington. Ship flowers to New York Cut Flower Co., 55 W. Twenty-sixth street, care of chairman.

Philadelphia—A. B. Cartledge (chairman), John Westcott, S. S. Pennock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati—R. Witterstaetter (chairman), James Allen, Henry Schwarz. Ship flowers to chairman, Jabez Elliott Flower Market, care janitor.

Chicago—J. B. Deamud (chairman), D. A. Robertson, Peter Schilt. Ship flowers to J. B. Deamud, 160 No. Wabash Ave., Chicago.

Shipments should be made to arrive by 2 P. M. on examination day to receive attention from the committee and must be prepaid to destination and an entry fee of \$2.00 should be forwarded to the secretary not later than Tuesday of the week they are to be examined or it may accompany the blooms. Seedlings and sports are both eligible to be shown before these committees provided the raiser has given them two years trial to determine their true character.

Special attention is called to the rule that sports to receive a certificate must pass at least three of the five committees. The committees will be in session to examine such exhibits as may be submitted on each Saturday during October and November the dates of which will be October 5, 12, 19, 26 and November 2, 9, 16, 23, 30.

CHAS. W. JOHNSON, Sec'y.

CLUB AND SOCIETY NOTES.

The Retail Florists' Association of St. Louis held a very pleasant meeting on Monday night, September 16th, at the Washington Hotel. The attendance was very small, just enough to transact what business came before the meeting. At the conclusion the members sat down to a nice spread.

Secretary Young informs us that he is having remarkable success in booking space for the trade section of the big International Flower Show for New York next April. The sales of space in big blocks within the past few days leave no doubt that the entire area devoted to this department will be taken.

The Bar Harbor Horticultural Society has elected the following officers for the ensuing year: Louis B. McCagg, president; John I. Kane, first vice-president; William T. Burton, second vice-president; John H. Stafford, third vice-president; Charles L. Shand, clerk; William T. Burton, treasurer; Clifford F. Came, financial secretary; John H. Stafford, sergeant-at-arms; John I. Kane, Clifford F. Came, Dr. Robert Abbe, George B. Dorr, C. Morton Smith, board of directors for term of three years.

The regular meeting of the Cook County Florists' Association took place at Chicago on the 19th with a fair attendance, including all the officers. It was decided that the second Thursday in October would be ladies' night and a large number are expected. The meeting will be at The Tavern and the price will be one dollar per plate. Some good things were assured for future meetings including talks by Walter Scott of La Grange and by H. N. Bruns who will speak on his recent European trip.

IN BANKRUPTCY.

A petition of involuntary bankruptcy was filed against Henry Morris, florist, of 210 East Genesee street, Syracuse, N. Y. The law firm represented the Sedgwick Farm Land Company, \$500; the Mason-Henry Printing Co., \$12.65; and William S. Orr, \$2.45. The petition states that Morris is hopelessly insolvent and cannot pay the debts.—*Syracuse Herald.*

NATIONAL FLOWER SHOW.

American Rose Society prizes for cut blooms, April 5-12, 1913, at New York:

Division A.—Best display of cut roses covering not less than 200 square feet of space, and to contain not less than 200 blooms, quality of blooms and effect to be considered, and decorative green of any kind, including plants, permitted. First prize, \$250.00; second, \$150.00; third, \$100.00.

Division B.—100 American Beauties, 1st prize \$60.00, 2d \$40.00, 3d \$20.00; 50 American Beauties, 1st \$50.00, 2d \$20.00, 3d \$10.00; 50 Killarney, 50 Dark Pink Killarney, 50 Double Pink Killarney, 50 White Killarney, 50 Double White Killarney (any strain), 50 Killarney Queen, 50 Richmond, 50 Radiance, 50 Lady Hillingdon, 50 Sunburst, 50 Mrs. Aaron Ward, 50 My Maryland, 50 Melody, 50 Kaiserin Augusta Victoria, 50 Mrs. Taft (Prince of Bulgaria), 50 any other disseminated variety, red, 50 do. white, 50 do. yellow, 50 do. pink—first prize \$20.00 and second prize \$10.00 in each of the nineteen classes.

Division C.—25 American Beauties, 1st prize \$20.00, 2d \$15.00, 3d \$10.00. Twenty-five of each of the varieties as listed in Section B, with the addition of Chateau,



For full information, schedules, space for trade exhibits, etc., write to: John Young, Secretary and Manager for Trade Exhibition, 54 W. 28th St., New York City.

Perle des Jardins, Bride, Bridesmaid and Bonsilene, first prize \$10.00, second \$5.00 respectively.

Division D.—For best New Rose not in commerce—50 blooms, \$25.00.

Division E. (for Retailers only)—For the best and most artistic display of Cut Roses, and with such accessories as the exhibitor may desire. Corsage Bouquet, 1st \$6.00, 2d \$4.00; Bridal Bouquet, 1st \$20.00, 2d \$10.00; Basket of Roses, 1st \$25.00, 2d \$15.00; Table Decoration, 1st \$75.00, 2d \$50.00; Mantel Decoration, 1st \$75.00, 2d \$50.00.

Division F.—Open to private gardeners and amateurs only. Not less than 12 blooms of each variety. American Beauties, 1st, \$6.00; 2d, \$4.00. Killarney, Dark Pink Killarney, Double Pink Killarney, White Killarney, Richmond, My Maryland, Bride, Bridesmaid, Golden Gate or Uncle John, Sunrise or Sunset, Bonsilene, Kaiserin Augusta Victoria, Cardinal, Rhea Reid, Chateau, Mrs. Taft, any other disseminated variety, 1st prize \$4.00, 2d prize \$2.00, respectively.

Special Prizes.—In this section the prizes are offered for special exhibits, by one and another friend, who wishes to encourage Rose culture or is an admirer of the "Queen of Flowers," and the list grows up to the opening of the exhibition, and is always a subsequent list to the general list and usually embraces a considerable number.

BENJAMIN HAMMOND, Secretary.
Fishkill on Hudson, N. Y., Sept. 21, 1912.

DURING RECESS.

Chicago Bowlers.

Bowling for the season of 1912-1913 was opened by the Cook County Florists' Association on September 18th. The entire membership of the league was present as well as many visitors, including several ladies. The score was as follows:

ROSES.		VIOLETS.	
Geerisch,	157 136 124	Huebner,	164 164 162
Valter,	96 135 75	Jacobs,	169 113 171
Ohliger,	98 113 106	Cole,	176 128 122
Ryers,	172 135 175	Schultz,	155 150 126
Fischer,	176 173 187	J. Huebner,	158 156 165
ORCHIDS.		CARNATIONS.	
Ross,	114 182 187	Lorman,	141 131 161
Graff,	154 149 146	L. Hermin,	141 131 161
K'hilbr'nd,	119 109 91	Brunko,	165 153 158
Oren'p't's,	108 196 146	Armst'z,	124 116 121
J. Zech,	150 115 144	A. Zech,	179 172 112

HYDRANGEAS AT KIMBALL COTTAGE, NANTUCKET, MASS.



SOCIETY OF AMERICAN FLORISTS.

Report of Entomologist.

(Continued from page 382)

The Greenhouse Orthesia.

Orthesia insignia (Doug.).

This scale insect is a common pest of Lantana, Coleus, Chrysanthemum, Verbena, etc. In tropical regions it is sometimes called the Lantana Bug, as it commonly attacks this plant. It occurs only in greenhouses in temperate zones. The adult female is an attractive insect, as the body is covered with a white, waxy laminae. It is a troublesome insect to eradicate. Fumigation is the best means of control.

The Hemispherical Scale.

Saissetia hemispherica (Targ.).

This soft scale is one of the most common found upon greenhouse plants. As the name indicates, the scale is hemispherical in form, but a little elongated and sometimes higher than broad. The eggs are laid beneath the body of the female and when oviposition is finished the female dies. The larvae upon hatching go to the leaves and settle along the midribs and veins, where they remain for a period of four to six weeks, and then migrate back to the stems and settle permanently. The life cycle of this species under greenhouse conditions is completed in five or six months, allowing the development of two complete generations in a year. The Hemispherical Scale attacks a host of plants, including ferns and crotons, which are its favorites, and palms, orchids, camellia, rose, oleander, alternanthera, chrysanthemums and others. It is best controlled by washing or spraying with soap solution.

The Long Scale.

Coccus longulus (Doug.).

This species is not nearly so common as the others cited, but is, nevertheless, a widely distributed one. The scale is commonly found in greenhouses of the north. It is twice as long as broad and varies in color from light brown to very dark brown. It is usually found on Ficus, Euphorbia, Citrus trees and Ferns. It is controlled by treating with a soapy solution.

The Short-tailed Mealy Bug.

Pseudococcus citri (Risso!).

This is the common Mealy Bug found in greenhouses throughout the

country. In the south it has become a pest of citrus groves (In Florida) and more recently causing similar trouble in California.

The adult is about 4 mm. in length and 2 mm. in width, oval or elliptical in outline, with a fringe of short spires encircling the body. The body is covered with a white, waxy mass, giving the insect its common name of Mealy Bug. The female lays from 300 to 500 eggs, depositing them in a mass beneath the tip of the abdomen, and covering them with cottony wax filaments. The eggs hatch in about two weeks from time of disposition. The larvae develop, requiring about six weeks to two months to reach maturity. They feed on a variety of plants sucking the juices from the under side of the leaves. The pest is a general feeder, but of greenhouse plants, Coleus, Geranium and Sago Palm seem to be its preference. This insect is best controlled by fumigation.

The Long-tailed Mealy Bug.

Pseudococcus adonidum (Linn.).

The Long-tailed Mealy Bug though less common than the former, is quite a pest in greenhouses, where it becomes established. It is readily distinguished from the Short-tailed species by the length of the spines at the anal extremity of the body, the last two of which are as long as, and sometimes longer than the body. Its life history and habits are similar to the Short-tailed species. It is also best controlled by fumigation.

BRITISH HORTICULTURE.

The Autumn Rose Show.

In recent years the National Rose Society has popularised that section of the "Queen of flowers" which flourishes in the autumn by holding a September show. This year's exhibition, which was held in London on Sept. 12th, was another notable addition to the Society's achievements in bringing together instructive displays of the finest specimens of the national flower. The decorative classes allowed full scope for some delightful ornamental schemes. The groups were particularly striking. In the class for a representative group placed on the floor, Hobbies, Ltd. secured a gold medal for a meritorious array. Included was a new seedling pillar rose, Lemon King, of a tint the name indicates. It has been obtained from a cross between

Frau Karl Druschki, the popular white and Mme. Ravary, the yellow H. T. Other varieties shown were Jessie, Lady Ursula, Lyon—very much in evidence throughout the show—Mildred Grant, etc. A representative group on staging secured a gold medal for Gunn & Son, who had some excellent specimens of Mildred Grant, Lyon, Liberty, Irish Elegance, Molly Sharman Crawford, Mme. Abel Chatenay, Prince de Bulgarie, Lady Hillingdon, etc. W. and J. Brown obtained a silver gilt medal and Geo. Prince of Longworth, Berks, a silver medal in the same section. In the table decoration class, the first prize design consisted of an excellent arrangement of Lyon and Irish Elegance. Some interesting novelties were seen, prominent being an imposing new white, British Queen, shown by S. McGredy of Portadown, Ireland, who was awarded a gold medal.

W. H. ADSETT.

GLADIOLI AT TERRYVILLE.

J. M. Adams of Hartford, Conn., writes interestingly in the Hartford Times, of a visit to the gladiolus fields of B. F. White at Terryville. Of the varieties described in the article we select the following as being new or not generally known:

Farmington—Dark rich pink, large flower, and a strong vigorous plant.

Helen Tracy—Large flower of delicate pink, with creamy white throat, markings well defined. Petals have a narrow edging of blue.

Pearly Gates—White, flaked with marks of bluish gray.

Cora—A good sized flower, not as large as some, but shows a vigorous growth. The buds first show a lemon yellow, but as it opens it is white with a small stain of red in the throat.

Harwinton—Brilliant cerise; it is a self color, with no markings. Some were noticed with twenty-four flowers, and often one stalk will throw out two small branches of flowers beside the main one. Mr. White said this was a new race his father was much interested in developing.

Christmas Candy—A large white flower with a beautiful striped throat. A cross of Princes and Lemoine types.

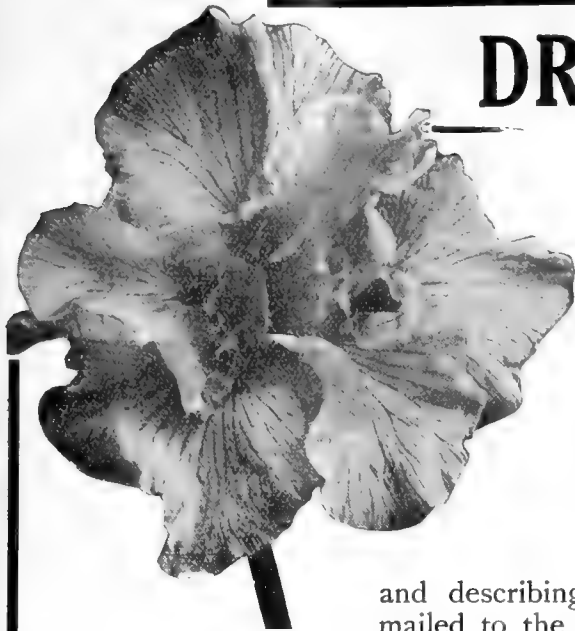
Gold Bug—A brilliant scarlet with golden throat.

Dr. Williams—A Princes seedling of a fine pink color and very productive.

America's Lady—A cross of America and White Lady; in color like a cattleya. Its petals are recurved and wavy. It is larger than America, a stately flower.

Mrs. Mary Gordon—Beautiful lavender and a white throat. The flower is very large and opens out well.

White Princes—Of a true Princes type, but a grand white with a small stain of red in throat.



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Dreer's Imperial Japanese Iris

Dreer's Select German Iris

**Dreer's Unrivalled Hardy
Perennial Phlox**

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Paeonies**

The above are leaders in our Perennial Department and now is the time to secure your supplies for the coming season. **Special Circulars** offering and describing complete lists of the above have recently been mailed to the trade. If you have not received a copy and are interested, write us.

We are acknowledged as headquarters for Hardy Perennials and our Current Wholesale List describes and offers everything in this line worth growing.

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PHILADELPHIA, PA.

NEW YORK NOTES.

Jos. A. Graham, known to a great many gardeners around New York, has secured a superintendent's position in Texas and we hear is doing well.

Don't forget Elliott's big auction sale of the entire stock of Bonnie Brae Nurseries, at New Rochelle, N. Y., on Wednesday morning, October 2.

The headquarters for gardeners in the city seems to be P. Hamilton Goodsell's store rooms at 157 and 159 William street, where gardeners looking for positions keep a secretary.

Theo. Ficke, the New York truckman, of 109 Broad street, reports the busiest season in history owing to the enormous increase in the importations of bulbs and general nursery stock. During the past six weeks his staff has been taxed to the limit.

The Flower Auction Company's first sale for the current week resulted in better attendance and higher prices than were generally anticipated, lilies, chrysanthemums, galax and asparagus bunches being disposed of. Ferns, rubber plants, kentias and dracaenas in large lots fetched satisfactory prices.

Visitors—Mr. Moore of the Moore & Simons Seed Co., Philadelphia; Charles Johnson, Boston, England; J. K. M. L. Farquhar, Boston; A. F. Barbe, Kansas City, Mo.; Carl Cropp, Chicago, returning from Europe; R. H. James, St. Georges, Bermuda.

WASHINGTON NOTES.

A large exhibition will be held on Tuesday and Wednesday next of fruit, flowers and vegetables in the Lord Memorial Hall in Brookland, D. C., by the Brookland Brotherhood. This is an annual event and has heretofore been very successful. A large number of prizes are offered.

Robert Pyle of the Conard & Jones Co., West Grove, Pa., will deliver on October 8, before the Florists' Club of Washington, a lecture on rose growing in Europe. The lecture will be illustrated by lantern slides. The regular monthly business meeting of the club will be held next Tuesday evening in its rooms 1214 F street, N. W.

Among the recent visitors in this city was Prof. Hugo DeVries, director of the Botanical Gardens of Amsterdam, Holland. While here, Prof. DeVries conferred with the agricultural officials on matters relating to horticulture and delivered a lecture before the Botanical Society of Washington. He has left Washington for the south in search of new specimens of the forms of life with which he has experimented in Holland.

Prof. E. R. Lake, 3333 Twentieth street, N. W., Washington, D. C., has been appointed Secretary of the American Pomological Society to fill out the unexpired term of the late lamented Prof. Craig, former Secretary. Prof. Lake is a man of much experience as secretary of horticultural societies, a valued assistant to the U. S. Pomologist and has the reputation of being an indefatigable worker, a faithful student and one who never shirks his duty.

BULB NOTES.

French bulbs are scarce and the market is depleted excepting on freesias. Of Roman hyacinths there are none to be had.

The crop of longiflorum giganteum lily bulbs in Japan is 65 per cent good. Prices have advanced, especially on the large sizes, which are in very limited supply.

Bulbs of *Narcissus bicolor* Victoria from Holland are arriving in poor condition, many being rotten at the base, due to a six-weeks' rain during the bulb packing time. *Horsfeldii* is showing more or less of the same trouble.

Judging from what we saw on a recent look-through at Boddington's, we may expect something far beyond the ordinary in the spring flowering bulb department of the big exhibition in New York next spring. Anyone who intends to grow bulbs for that occasion will do well to take a glance at these monster hyacinths, tulips and narcissi. Preparations have been made for a heavy fall business, every corner of the spacious floors being loaded down with stock. There are 175,000 Darwin tulips alone. This class of tulips is rapidly forging ahead for outdoor display and to some extent supplanting the single earlies in public favor. Holland bulb stock generally is in fine quality and ample supply.

"You can no more conduct business without advertising than you can farming without fertilizing.—Uncle Peleg.

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POT MAKERS FOR 140 YEARS

WORLD LARGEST MANUFACTURERS

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CAMBRIDGE, MASS.

NEWS NOTES.

Quincy, Ill.—The McCook Greenhouses have been purchased by E. C. McKay.

Sharon, Pa.—O. E. Hall has sold his flower and vegetable business to W. B. Hackett.

Cobleskill, N. Y.—The greenhouses of the late D. C. Dow are now being run by Martin S. Borst.

Natick, Mass.—The greenhouse of Bernard Darling has been purchased by James Fitzpatrick.

Hartford, Conn.—It is reported that Willis H. Shumway intends to sell his greenhouses, owing to ill health.

Keokuk, Iowa—It is reported that C. H. Wolfe, florist, 708 Main street, has sold out to R. G. Schlotter, of 416 Main street.

Providence, R. I.—Amos Darling, between Oakland and Glendale, lost most of his glass by hail on September 12th.

Chicago, Ill.—An office at 143 North Wabash avenue will be opened by E. Bollinger, landscape architect, of Lake Forest, Ill.

Davenport, Iowa—The greenhouses of J. W. Davis, 2901 North Brady street, have been leased by H. Koopman. He will do a retail business.

Paw Paw, Mich.—The downtown store of the Wolverine Nursery Co. has been closed and all business will hereafter be done at the packing shed office.

Oakland, Cal.—Shima & Satow are now owners of the business of the Continent Nursery Co. They will do business under the name of the Jones Avenue Nursery Co.

Jacksonville, Fla.—Mills, the Florist, 36 West Forsyth street, has taken a long lease of the property and will make extensive alterations, adding a fine display refrigerator.

West End, N. J.—W. G. Eisele is closing out his nursery stock. The sale will be on October 9th, when W. J. Elliott of New York will swing the hammer and sell without reserve to the highest bidder.

Grand Rapids, Mich.—To enable them to take over the properties of the Grand Rapids Greenhouse Co., Reed & Cheney have increased their capital stock from \$10,000 to \$100,000. Charles L. Reed is president; Carl W. Wiley, vice-president; and H. J. Cheney, secretary and treasurer.

Groton, Mass.—H. Huebner is picking several boxes of strawberries a day at present. The variety is one which he got from Europe several years ago. The crop is heavy and the fruit is first quality as to flavor and medium as to size. The plants throw some blooms in spring, all of which he picks off.

Lowell, Mass.—W. E. Beach, who is

building a greenhouse 30 x 200 feet at Caster and Lawrence streets, as reported in the September 14 issue of HORTICULTURE, writes that he has leased the greenhouse owned by Swansen & Delgren, who ran it for two years and then leased it to James Harding & Son, who went out of business last June. Mr. Beach will do a wholesale cut flower business, shipping his stock to Boston.

INCORPORATED.

New Washington, Ohio—Cranberry Nursery, capital stock \$5,000.

Columbus, Ohio—Farmers' and Florists' Chemical Co., capital stock \$125,000. To manufacture and sell fertilizers.

Dallas, Tex.—Richmond Hill Floral Co. Incorporators, A. Miller, A. M. Vaughan, and J. W. Crotty, all of Dallas.

Punxsutawney, Pa.—Indiana Floral Co., capital stock \$15,000. Incorporators, S. Taylor Schaffer, Virginia M. Schaffer, Earl H. Snyder, and Lydia Snyder.

Fort Payne, Ala.—Wills Valley Nursery Co., capital stock \$100,000. Oscar V. Case, president; Nathan W. Hale, vice-president; A. I. Smith, secretary and treasurer.

Norfolk, Va.—Franklin Plant Farm, Inc., capital stock \$10,000. Frank Brunton, president; Frank Dillingham, vice-president; A. C. Dillingham, secretary and treasurer.

CATALOGUES RECEIVED.

Framingham Nurseries, W. B. Whitier & Co., Framingham, Mass.—Fall Trade Catalogue of Shade and Ornamental Trees, Evergreens, Roses, Small Fruits. Net prices on healthy, vigorous stock.

Howard & Smith, Los Angeles, Cal.—Bulbs, 1912. Sparaxis on front and narcissi on back cover show up beautifully in soft tones. Amaryllis hybrids, watsonias and glant ranunculus are among the choice things illustrated inside.

PUBLICATION RECEIVED.

Annual Report of Public Parks Board, Winnipeg, Canada. From this interesting report it appears that Winnipeg has now nearly 600 acres of public reservations, well kept up and being added to from time to time. Many very attractive half-tone views adorn the volume and a complete map of the city is bound in. The superintendent of parks is G. Champion.

Olmsted Bros., Brookline, Mass., have been retained to take charge of all the Denver (Colo.) park and civic improvement projects, together with the proposed mountain park and approaches. This firm has also the contract for the improvement of the water front of Toronto, Ont., Canada.

OBITUARY.

Stephen E. Meagher.

Stephen E. Meagher, florist, 1659 Amsterdam avenue, New York City, died at his home recently, aged 37 years. He began business over twenty years ago at 197 Varick street. The business will be continued by his sister.

Charles Seeley.

On September 16, Charles Seeley, florist, 739 Grand avenue, Jersey City, N. J., died suddenly after an attack of acute indigestion. He was 53 years of age and leaves a widow, two sons

It is with regret that we learn of two deaths in Cincinnati. Michael Baer, father of Julius Baer, and W. R. Miller were gathered to their fathers.



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Hose "RIVERTON"
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The HOSE for the FLORIST
3/4-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
1 1/2-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.
Couplings furnished

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1000 READY PACKED CRATES
STANDARD FLOWER POTS AND BULB PANS

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2000 1 3/4 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	450 4 1/2 " " 5.24
1500 2 1/4 " " 5.25	320 5 " " 4.51
1500 2 1/2 " " 6.00	210 5 1/2 " " 3.78
1000 3 " " 5.00	144 6 " " 3.16
800 3 1/2 " " 5.80	120 7 " " 4.20
	60 8 " " 3.00

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The seed we are offering was raised for us under glass and saved from selected spikes.

Packet \$1

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WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
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FOR FALL PLANTING.

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Seed Trade

Crop Prospects.

The trade is quite naturally very much interested in crop news, and the preliminary estimates of the pea crop issued by one or two of the growers aroused keen interest, and as a result the other growers were besieged with requests for information. The conservative growers realizing that such information was of little real value, having been based on what is known as "crop estimates," have decided to wait until their figures could be based on something more tangible; that is, until a sufficient quantity of their crops were actually in store to make their estimates just a little better than a mere guess. Of course when their customers become too insistent in their demand for information, the growers can give only such as they have, but in reality it is little more than a reply to temporarily satisfy curiosity. We base our opinion on the fact that those who have issued estimates have very emphatically warned their customers not to accept their figures as correct. In fact, we learn that these figures have already been modified with a marked downward tendency on many items.

However, we are inclined to believe that there will be peas enough to satisfy trade requirements, and that shortages can be covered at slight advances over contracting prices. It may surprise many to know that indications now point to the greatest shortages being in what are known as "Canners' Varieties," and particularly in Alaskas. It is just possible that Grandus and Thomas Laxton may prove as short, but most of the fancy large-podded sorts will range from 20 to 40 per cent higher in deliveries.

Growers are chary of information about beans, but such as we can get indicates a shortage of 25 to 50 per cent. This may not prove an unmixed evil, as there is undoubtedly a liberal carry-over from last year, and while we believe prices will be firm with an upward trend, we do not look for any radical advances over contracting figures.

While we have but little up-to-date information concerning corn, we believe a good average crop is practically assured, though a heavy freeze within the next two weeks would cause very serious damage, and right here it may be well to say that weather predictions for the week indicate just this condition. By the time this reaches our readers they will know just how accurate these forecasts are.

Onion seed is being quoted by jobbers and sales of considerable quantities have been reported at figures materially higher than it opened at a year ago. Owing to an unexpected demand; created largely by the high prices of onions, seed last year, and particularly of the yellow varieties, advanced considerably above the opening figures. The situation the coming season promises to be much the other way, as there has been a large crop of onions as well as onion sets, and unless all the information we have is much askew, low prices for both are likely to rule for the new crop. Low prices for onions and onion sets generally mean a reduced demand for seed, which, of

course, will inevitably affect values, and doubtless there will be seed enough to satisfy the demand at fair prices. If the market will sustain the recent prices, seedsmen will have ample cause for satisfaction and can hardly expect any advance later.

Statistics furnished by the Department of Agriculture of Washington, indicate a large crop of potatoes, and low prices were generally expected but ruling figures at this date do not accord with the general expectation, and have occasioned surprise quite generally. There are reports that rot of a malignant character is attacking the tubers in different sections of the country and causing much alarm among growers and heavy handlers of this stock. This is caused, it is believed, by an excess of rain and too little sunshine and warmth. How serious this condition is we are unable to say at this writing, but hope for further information of a more definite character. However, there is little probability of prices again reaching the high level of last year.

As to other crops, there is practically nothing new to report, at least there are no radical changes from conditions given in these columns a few weeks ago, and we need not go further into particulars.

Notes.

Franklin, Mass.—W. F. Cobb & Co. are to build a seed warehouse, 30 x 60 feet.

Waterloo, Neb.—The J. C. Robinson Seed Co. is building a brick and concrete power house; also a storage warehouse, 80 x 120 feet.

As mentioned in our "Philadelphia Notes," W. H. Maule has purchased valuable property on which he will erect a large building, involving an investment of approximately \$1,000,000.

Cottage Hill, Fla.—The Pensacola Seed & Nursery Co. has been incorporated and opened headquarters here. They have a capital stock of \$25,000. W. V. Vincent, president; S. B. Berlinger, secretary and treasurer.

The Tinsley Seed Co. have retired from business in St. Louis and will move all stock and fixtures to their store at Louisville, Ky. Mr. Bryant, the local manager, goes to the Louisville house.

Wichita, Kan.—W. F. Puckett has been appointed receiver for the Central Seed Co., 243 North Main street, and will open the store for business. Owing to suits brought against the manager, W. B. Borden, the store has been closed for some time.

Mr. Alfred Emerich, representing Messrs. Vilmorin, Andrieux & Co., Paris, France, will arrive in New York about the 28th inst., and will visit the seed trade as usual throughout the United States and Canada. His headquarters while in New York will be, care H. Frank Darrow, 26 Barclay street, New York City.

At the recent meeting of its board of directors the Jerome B. Rice Seed Co. elected the following officers for the

Our Introduction for 1913

The New Clear Scarlet Bedding Geranium

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ITS MERITS:

1. The **Finest Scarlet** Geranium ever introduced.
2. The **only** scarlet variety, which blooms all summer.
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Orders booked now are filled in rotation as received from January 1913 onward.

2½ inch pots, \$2.50 doz.; \$15.00 per 100; \$125.00 per 1000

\$50.00 IN GOLD WE OFFER as a prize for the best 4-in. pot of "Helen Michell" to be competed for at the National Flower Show, at New York, April, 1913.

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A publication on the farm journal that reviews all poultry and fruit papers in United States, will be sent on trial one year to all who send 16 cents, to pay wrapping and postage, and names of three fruit or poultry raisers.

THE REX COMPANY

HARRISBURG, PA.

ensuing year: Jerome B. Rice, Jr., president; C. E. Smith, treasurer; John L. Hunt, secretary. As stated in these columns some weeks ago, no radical changes in the policy of this house are in prospect, and none are contemplated.

Messrs. Winfried Roelker, James McHutchison, C. B. Knickman and Wm. Pitkin appeared before the federal horticultural board of the Department of Agriculture at Washington on September 16, to discuss and ascertain the exact requirements of the new plant quarantine law particularly in regard to protection against the white pine blister.

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A postal will bring our special *Bulb Catalogue* for florists with prices.

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Stocks, Asters, Chinese Primulas, &c.

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EARLY ROMAN HYACINTHS,
\$2.25 per C.; \$21.00 per M.

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Double Narcissus Von Sion

Extra Selected 5½-6½ circum.
\$13.00 per thousand

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Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

Of Interest to Retail Florists

Milwaukee, Wis.—The flower store
of Mrs. L. Nelson has been moved to
913 Third street.

Boston, Mass.—J. M. Petros is about
to open another store on Boylston
street, opposite Copley square.

Fort Smith, Ark.—The Brockman
Flower Shop will be moved to 11 North
Eighth street, where a greenhouse will
be built.

Springfield, O.—Carl S. Meacham
has acquired the interest of Mr. Mat-
thews in the florist business of Mat-
thews & Hassell, 126 State street, and
the store will hereafter be known as
the Posy Shop. Extensive altera-
tions will be made.

STEAMER DEPARTURES

Allan.

Parisian, Boston-Glasgow....Oct. 11
American.

Philadelphia, N. Y.-S'hamp...Oct. 5
Atlantic Transport.

Minnewaska, N. Y.-London...Oct. 5
Cunard.

Franconia, Boston-Liverpool...Oct. 1
Mauretania, N. Y.-Liverpool...Oct. 2

Carmania, N. Y.-Liverpool...Oct. 5
Lusitania, N. Y.-Liverpool...Oct. 9

Hamburg-American.

Pennsylvania, N. Y.-Hamburg...Oct. 3
Victoria Luise, N. Y.-H'm'brg...Oct. 10

Holland-America.

New Am'dam, N. Y.-Rot'dam...Oct. 1
Noordam, N. Y.-Rotterdam...Oct. 8

Leyland.

Bohemian, Boston-Liverpool...Oct. 5
Devonian, Boston-Liverpool...Oct. 12

North German Lloyd.

K's'r W. der G., N. Y.-Br'm'n...Oct. 1
G. Washington, N. Y.-Br'm'n...Oct. 3

Berlin, N. Y.-Mediterranean...Oct. 5
Kronp. Cecilie, N. Y.-Br'm'n...Oct. 8

Red Star.

Lapland, N. Y.-Antwerp.....Oct. 5
White Star.

Cedric, N. Y.-Liverpool.....Oct. 3
Majestic, N. Y.-Southampton...Oct. 5

Cymric, Boston-Liverpool....Oct. 8
Celtic, N. Y.-Liverpool.....Oct. 10

NEW FLOWER STORES.

Champaign, Ill.—J. E. Yeats, Eggle-
ston music house.

Rockford, Ill.—John Bergstrom, 507
Seventh street.

St. Louis, Mo.—Miss L. Doussard,
3091-3092 Collinsville avenue.

Birmingham, Ala.—John A. Lam-
bert, in connection with the McVay
seed store.

New York, N. Y.—Ralph Armstrong,
Madison avenue and 47th street. C. A.
Schaefer, 380 Lenox avenue.

Chicago, Ill.—J. G. Stahl, 2534 E.
91st street. South Chicago, is opening
a new store at 8813 Commercial ave-
nue.

IRWIN BERTERMANN, Indianapolis, Pres.
W. F. GUDE, Washington, Vice-President.
W. L. ROCK, Treasurer, Kansas City.

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Of Interest to Retail Florists

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 76 Maiden Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Ed. MacMulkin, 194 Boylston St.
Boston—Penn, the Florist, 37-43 Bromfield St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Phillip L. Carbone, 342 Boylston St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid Ave.

Denver, Col.—Park Floral Co., 1643 E'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Detroit, Mich.—Florists' Telegraph Deliveries, 153 Bates St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Washington Sq.

New York—George M. Stumpp, 761 Fifth Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

Providence, R. I.—T. J. Johnston & Co., 171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main St., West.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.

San Francisco, Cal.—The California Florist, 344-346 Geary St.

San Francisco, Cal.—Pelicano, Rossi & Co., 123 Kearny St.

Schenectady, N. Y.—J. C. Hatcher.

St. Paul—Holm & Olsen, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Tailby.

Worcester, Mass.—H. F. A. Lange.

ST. LOUIS PERSONAL NOTES.

Mr. and Mrs. Robert Windler are visiting Mrs. Windler's parents at Rogers Park, Ill.

Ostertag Bros. had the big decorations of the Druggists' Convention in the Coliseum last week.

Adolph Jacnicke, superintendent of Shaw's Garden, visited Chicago last week and was a guest of the different superintendents of the Chicago parks.

Visitors: W. P. Craig, Philadelphia, Pa.; C. S. Ford, New York; Robert Newcomb, Chicago; Guy Reyburn, representing A. Henderson & Co., Chicago. Mr. Reyburn was sick here during the past week.

THE "WILLING HELPER."

We are informed that in one day's mail last week, M. Rice & Co. received over one hundred flattering testimonials to the value and beauty of this attractive publication recently sent out. It is more than a catalogue; it is an album. It fully justifies its title as the "Willing Helper" and we can't imagine anything required in a florists' store that may not be found within its covers. It is handsomely illustrated and artistically bound and is a credit to the House of Rice, Philadelphia, and all others concerned in its making. Send for a copy and you'll find it an office necessity.

BOSTON, MASS.

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D. C.

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Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - - TORONTO, ONT.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
353 Lake Street, Kendallville, Ind.

Mention Horticulture when you write.

PERSONAL.

Frank Gaul has resigned his position as manager of the Thornhedge Greenhouses, Newtown Square, Pa.

Anders C. Strom, florist, of New Britain, Conn., and Miss Anna M. Schwartz were married on September 18th at the home of the bride.

Cincinnati visitors—S. L. Humphrey, Zanesville, O.; Martin Weber, Brookville, Ind.

Boston visitors: John Young and C. B. Weathered of New York; Mr. Cobb, of the Lord & Burnham Co., New York; F. Gomer Waterer, Bagshot, England; George Hampton, representing H. F. Michell Co., Philadelphia, Pa.

The Chicago Carnation Co. are this year growing 16,800 seedlings, trying them all the way from the first to the fourth year. Among the latter are Herald and Aviator to be introduced this year.

AN UP-TO-DATE FLORISTS' REFRIGERATOR.

The illustration shows a typical florists' refrigerator manufactured by the McCray Refrigerator Co., of Kendallville, Ind., a concern which was a pioneer in this line of manufacture and which has always been known for the high quality of its product. This refrigerator was installed in the store of the Metropolitan Floral Co., St. Louis, Mo., and was built to order according to their particular needs. It is 7 feet 2 inches wide by 2 feet 6 inches deep by 7 feet 2 inches high. The ice chamber which is above the storage compartment has an ice capacity of 700 lbs. There are three doors opening to the storage compartment which are of beveled plate glass. The interior of the refrigerator is lined with galvanized iron, white-enameled with the exception of the back and left end which are covered with large mirrors. There is also a large beveled plate mirror over the double doors. The hardware is all heavily nickel-plated brass. The outside of the refrigerator is finished in white enamel to correspond with the rest of the wood work in the store.

It will pay any florist who is looking for information on the subject of refrigeration to write to the company for their recently issued catalogue of florists' refrigerators.

HENRY M. ROBINSON, Pres.
CHARLES E. ROBINSON, Vice-Pres.

MAURICE L. GLASS, Treas.
JOSEPH MARGOLIS, Secy.

ANNOUNCEMENT TWO IN ONE

HENRY M. ROBINSON & CO. have incorporated their New York Branch with MAURICE L. GLASS of New York City under the firm name of

HENRY M. ROBINSON COMPANY OF NEW YORK

Maurice L. Glass, Manager

The combined business is now carried on on the first floor in the COOGAN BUILDING, 55-57 W. 26th ST., in the enlarged floor space formerly occupied by Maurice L. Glass.

Telephone Nos. 13 Madison Sq. and 8510 Madison Sq.

NEWS NOTES.

New York, N. Y.—L. B. Nason, formerly with A. L. Young & Co., has opened as a wholesale florist at 116 West 28th street.

Hutchinson, Kan.—N. N. Kline has ap-

plied for an injunction to restrain Geo. M. Schurr and H. P. Miller from engaging in the retail florist business for a term of four years, in accordance with a contract which he alleges is in force between defendants and himself.



"THE" FLORISTS' SUPPLY HOUSE OF AMERICA

Be Ready for the Home Comers

Your customers will be embellishing their homes with fresh Palms, Ferns, Rubbers, and Plants of all kinds, and will want at once suitable receptacles to hold same. Be ready for them. We especially recommend that you have a good display of **Plant Holders, Vases, Baskets, etc.**

But Especially Baskets

We can supply these in all sizes from the little tumbler basket up to the big ones for ten or twelve inch pots; and in all colors from **plain willow** and **white enamel** up to the zenith which is our **New French "Greunt,"** the premium antique and the loveliest thing yet in baskets. We also recommend those other **French Novelty Baskets** with ivory finish and **flowered garlands.** These give tone and distinction to your display and are splendid sellers. Get acquainted. Send for "Our Silent Salesman."

H. BAYERSDORFER & CO.

THE FLORISTS' SUPPLY HOUSE OF AMERICA

1129 ARCH STREET - - - PHILADELPHIA, PA.

CHICAGO NOTES.

Trade Notes.

Boxwood and leucothoe are seen at A. L. Vaughan & Co.'s, among the first in the market.

Mrs. E. H. Hunt is giving the office an overhauling that will leave things in the best of shape for the busy season just ahead.

Some of the department stores had their openings this week and cut flowers were used freely as well as the artificial ones. Much of the work showed excellent taste and the real and the artificial did not clash, festoons of the latter in deep red tones being used for high effects, while large vases of American Beauties and gladioli formed the lower decorations supplemented by hundreds of large Boston ferns. These semi-annual events are worth study, for much time and money are devoted to them.

Otto Wittbold, who recently organized a company and purchased the Geo. Wittbold Nurseries, is rapidly getting things into fine shape. Their sales of nursery stock are starting out very satisfactorily, the call for peonies, irises and perennials being fully up to expectation. A large building for packing and storage will be erected in the spring and the material for a ten-room brick residence is now on the ground. Mr. Wittbold has ability and push and has won the confidence of the trade in his business methods in the past.

Personal.

Mrs. C. H. Fisk has returned from an extended trip to California.

Wm. Lynch returned on the 20th inst. from Northampton, Mass., where he had been called by the death of his sister. While in the east, Mr.

Lynch visited the violet district in New York and says he has not seen that industry in such flourishing condition before in many years.

Miss Anna Olsen recently returned to her position as bookkeeper for A. Lange. She spent several weeks resting at the summer home of Miss Yetterberg in Michigan.

Visitors: Mr. Dykes, representing Ed. Jansen, N. Y.; Elmer D. Smith, Adrian, Mich.; Mr. Kring, of Kring Bros., Fairburg, Ill.; L. Harley and Geo. Webster, Hartford, Mich.; Miss L. J. Baker, Ottumwa, Iowa. Miss Baker has recently returned from a two weeks' trip to the Pacific Slope.

PHILADELPHIA NOTES.

Samuel S. Pennock is home again from his West Indies-Panama trip.

Wm. Henry Maule, a leading seedsmen of our town, is reported in the daily press to have purchased property at 20th and Arch streets for some 50,000 dollars. The supposition is that he intends to erect thereon a 20-story building for his seed business which has outgrown the old quarters at 1711 Filbert street. Nothing can stop the enterprising seed trade of Philadelphia. The new enterprise will entail an expenditure of over a million dollars.

If you want to see the beatific smile in the original Sanskrit ask Harry Bayersdorfer the next time you meet him how it feels to be a grandfather. The interesting and important event occurred some two weeks ago. On the distaff side we rejoice with these evidences, of course, but of late have found it a problem to escape from too many "Here's tae us" on the advents. They seem to be arriving in all directions.

We had the pleasure of making the acquaintance, and spending a few hours last week, with five distinguished visitors from the Golden Gate, namely, Mr. and Mrs. Ebel, Mr. and Mrs. Henry Maier, and Angelo Rossi. This was their first trip east, and everything interested them. Four days were devoted to Philadelphia, one of these including its interesting suburb—Atlantic City—where the baby carriage ride on the Boardwalk, and other light pastimes of that kind were hugely enjoyed. They had one of our genial old timers in their train as guide, philosopher and friend—Daniel McRorie, citizen of the world. All these folks are enthusiastic missionaries on the subject of 1915 for the S. A. F. in San Francisco. If they keep on, it would not be surprising if they get it—and also a pretty good delegation from the east, notwithstanding the extra time and cost. We shall all want to see the canal, anyway, and once that far on the way are liable to keep on to the rainbow's end.

Visitors: Antoine Leuthy, Boston, Mass.; Richard Vincent, Jr., of R. Vincent, Jr., & Sons, Whitmarsh, Md.; "The Stork," at E. J. Fancourt's, Roxboro, Phila.—first call, we think Estelle, but it's more likely to come out Mary Helen—what does an "old bach" like me know about such things anyway? W. P. Peacock, Williams-town, N. J.; Antoine and Mrs. Wintzer, West Grove, Pa., on their way to Texas; Mr. and Mrs. M. H. Ebel, Sacramento, Calif.; Mr. and Mrs. Henry Maier, Burlingame, Calif.; D. McRorie, McRorie-McLaren Co., San Francisco, Calif.; A. Rossi, Pelicano, Rossi & Co., San Francisco, Calif.; David Scott, Buffalo, N. Y.

DAHLIAS

\$1.50—\$3.00 per 100

It pays you to remember that we are Headquarters for Dahlias of superior quality. Let us supply you, when you want something better than the ordinary stock.

DOROTHY PEACOCK

\$5.00 per 100

The finest pink Dahlia on the market.

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner 12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR
FLORIST'S
USE

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THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST. BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

POEHLMANN BROS. CO.

Cut Flowers All the Year Round

33-35-37 RANDOLPH STREET,

Greenhouses, Morton Grove, Ill.

CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON September 26		CHICAGO September 24		ST. LOUIS September 24		PHILA. September 24	
ROSES								
Am. Beauty, Fancy and Special....	15.00	to 25.00	20.00	to 25.00	15.00	to 25.00	20.00	to 25.00
" " Extra.....	10.00	to 15.00	15.00	to 20.00	.....	to 10.00	12.50	to 15.00
" " No. 1.....	6.00	to 8.00	10.00	to 15.00	.....	to 8.00	6.00	to 8.00
" " Lower Grades.....	1.00	to 4.00	5.00	to 10.00	3.00	to 4.00	4.00	to 5.00
Killarney, Richmond.....	1.00	to 6.00	4.00	to 10.00	.....	to 5.00	3.00	to 6.00
My Maryland, Kaiserin, Carnot.....	1.00	to 6.00	4.00	to 10.00	.....	to 3.00	3.00	to 8.00
Bride, Maid.....	.50	to 4.00	3.00	to 8.00	3.00	to 4.00	.....	to 3.00
Taft, Hillingdon, Ward.....	1.00	to 6.00	3.00	to 8.00	.....	to 3.00	3.00	to 10.00
CARNATIONS	1.50	to 2.00	1.00	to 2.00	1.00	to 1.50	1.00	to 3.00
MISCELLANEOUS								
Cattleyas.....	25.00	to 40.00	.....	to 50.00	40.00	to 50.00	30.00	to 50.00
Lilies, Longiflorum.....	5.00	to 6.00	.....	to 15.00	6.00	to 8.00	10.00	to 12.00
" Speciosum.....	.....	to 3.00	.....	to 3.00	.....	to 3.00	.....	to 3.00
Lily of the Valley.....	2.00	to 3.00	2.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Gladioli.....	2.00	to 3.00	3.00	to 5.00	1.50	to 5.00	.....	to 2.00
Asters.....	.50	to 1.00	1.00	to 2.00	1.00	to 3.00	1.00	to 3.00
Daisies.....	.....	to .50	.....	to 1.00	.15	to .35	.....	to 1.00
Sweet Peas.....	.50	to 1.00	.....	to 1.00	.15	to .25	.....	to 1.00
Gardenias.....	.....	to 12.50	20.00	to 25.00	.....	to 12.50	.....	to 25.00
Adiantum.....	.....	to 1.00	.....	to 1.00	1.00	to 1.25	1.00	to 1.50
Smilax.....	8.00	to 12.00	10.00	to 15.00	12.00	to 15.00	10.00	to 15.00
Asparagus Plumosus, Strings (100)	.....	to 50.00	40.00	to 60.00	35.00	to 50.00	35.00	to 50.00
" " & Spreng. (100 Bchs.)	25.00	to 50.00	25.00	to 50.00	15.00	to 25.00	35.00	to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

CHICAGO CARNATION COMPANY

A. T. PYFER, Manager

30 East Randolph Street,

CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, CHICAGO

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG
WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

GEORGE B. HART

WHOLESALE FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati.

Flower Market Reports

BOSTON A good strong market has developed on roses, the quality of which has improved greatly within a few days. Asters are pretty near their end and carnations are gradually usurping the position of prominence the asters have held for the past two months. Lily of the valley is about the best we have ever seen in this market. Cattleyas have been scarce but there is now an abundance. Chrysanthemums increase daily, October Frost being the latest addition to the regular stock. The first violets have made their appearance, and realized 50c. a hundred.

Trade is gradually becoming better as the days near the autumn season. Dahlias, chrysanthemums and cosmos have added to the list and have so far sold well. Asters are gradually leaving us though some shorts are still received. Gladioli are good and the demand quite satisfactory the past week. There are plenty of roses and a good demand for selected white, also Killarney, Ward, etc. Lily of the valley and lilies have been in demand and sold out daily. Business is on the increase.

CHICAGO Chicago market conditions can be summed up in a single sentence, not enough flowers to supply the demand. The change could scarcely be more complete than that which has taken place during the past month, the overfilled counters and ice boxes having been followed by a scarcity of stock which includes all lines and is more general than for many fall seasons. The week of extremely hot weather following a cool summer and the severe rain storm cut off the bulk of the outdoor flowers almost as effectually as a feast would have done. There are now some gladioli and a few asters left but the best ones were cut some time ago leaving comparatively little to help out till greenhouse flowers are more plentiful. Roses are so far from being equal to the demand that many orders have had to be cut in two the past week but this condition is not expected to last long. Carnations are now coming in more freely and the stems on the longest are probably eighteen inches. October Frost and Golden Glow chrysanthemums are now to be had in limited quantity and American Beauties, orchids and gardenias are being cut in larger quantities each week.

The market is tightening all around and prices are going up fast toward a point that would make the market seem like a mid-winter one. The quality of all kinds of stock has improved since the cold weather and now practically all is first class. Roses have shown the most wonderful improvement. All are clean and of good color and are in a pretty fair crop. American Beauties are short of the call for them. Carnations, too, are fast reaching late season form. The stems are rapidly increasing in length and the blooms are pretty good. Asters may now be counted out for the season and dahlias and cosmos are taking their place as outdoor flowers. Lilies are short of the call for them,

STARTLING VALUES

WE OFFER BELOW

Field Grown CARNATION PLANTS



Extra large plants, healthy, free of disease, very choice stock. The best values ever offered; all plants guaranteed.

Good investment, plant in after early Chrysanthemums

	100	1000
VICTORY	\$7.00	\$60.00
COMFORT	8.00	75.00
HARRY FENN	7.00	60.00
BEACON	8.00	75.00
HARLOWARDEN	6.00	50.00
WHITE PERFECTION	8.00	70.00
WHITE WONDER	9.00	85.00
ALMA WARD	8.00	70.00
GLORIOSA	9.00	85.00
MRS. C. W. WARD	8.00	70.00
ENCHANTRESS	7.00	50.00
ROSE-PINK ENCHANTRESS	7.00	50.00
PRINCESS CHARMING	10.00	
DOROTHY GORDON	7.00	50.00
WINONA	7.00	80.00
BROOKLYN	12.00	100.00
QUEEN	6.00	50.00
BOSTON MARKET	6.00	50.00

HEADQUARTERS FOR GREENS

WILD SMILAX, \$6.00 per case.
 GREEN GALAX, \$1.50 per 1000; \$7.50 per 10,000.
 BRONZE GALAX, \$1.50 per 1000; \$8.50 per 10,000.
 LEUCOTHOE SPRAYS (green), \$1.00 per 100; \$9.50 per 1,000.
 GREEN SHEET MOSS, \$3.50 per bag.
 SPHAGNUM MOSS, 10 bbl. bales, nicely burlapped, each, \$4.00;
 5 bale lots, \$3.75 each; 10 bale lots, \$3.50 each; 25 bale lots, \$3.25 each.

RIBBONS AND SUPPLIES. Many new patterns in exclusive Ribbons. Write us for prices on these and on Supplies.

S. S. Pennock-Meehan Co.
 THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA
 1608-1620 Ludlow St.

NEW YORK
 117 W. 28th St.

WASHINGTON
 1212 New York Ave.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI September 24	DETROIT September 23	BUFFALO September 24	PITTSBURGH September 17
ROSES				
Am. Beauty, Fancy and Special....	15.00 to 25.00	20.00 to 25.00	15.00 to 20.00	20.00 to 25.00
" " Extra	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00	12.50 to 15.00
" " No. 1	6.00 to 10.00	10.00 to 15.00	6.00 to 10.00	6.00 to 8.00
" " Lower Grades	3.00 to 6.00	4.00 to 10.00	2.00 to 4.00	2.00 to 3.00
Killarney, Richmond	2.00 to 6.00	3.00 to 8.00	..... to	3.00 to 8.00
My Maryland, Kaiserin, Carnot	2.00 to 6.00	3.00 to 8.00	..... to .....	..... to
Bride, Maid	2.00 to 6.00	..... to	2.00 to 6.00	..... to
Taft, Hillingdon, Ward	2.00 to 6.00	3.00 to 6.00	3.00 to 6.00	3.00 to 8.00
CARNATIONS				
.....	1.50 to 1.00	1.00 to 2.00	1.00 to 2.00	..... to 2.00
MISCELLANEOUS				
Cattleyas .....	..... to 50.00	..... to 50.00	50.00 to 60.00	50.00 to 60.00
Lilies, Longiflorum	10.00 to 12.50	12.50 to 15.00	8.00 to 10.00	..... to 10.00
" Speciosum	2.00 to 4.00	..... to .....	..... to 3.00	..... to 4.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Gladioli	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 5.00
Asters	1.50 to 1.50	1.50 to 1.50	..... to 1.00	1.50 to 3.00
Daisies .....	..... to .....	..... to .....	..... to .....	..... to
Sweet Peas .....	..... to .....	..... to .....	..... to .....	..... to
Gardenias .....	..... to .....	..... to	20.00 to 25.00	..... to
Adiantum .....	..... to 1.00	1.00 to 1.50	1.00 to 1.25	1.00 to 1.25
Smilax	10.00 to 12.50	12.50 to 15.00	..... to 15.00	..... to 15.00
Asparagus Plumous, Strings (100)	35.00 to 40.00	20.00 to 30.00	40.00 to 50.00	30.00 to 50.00
" " & Spreng. (100 bchs)	25.00 to 35.00	20.00 to 30.00	25.00 to 35.00	15.00 to 25.00

for the meagre receipts can not take care of the strong demand. This will undoubtedly continue until the chrysanthemums come in strong. A limited number of lily of the valley are offered. A few sweet peas from the new cut have made their appearance. They were taken up in a hurry. Limited quantities of chrysanthemums in white and yellow have appeared and have sold in a hurry. Business in decorative greens is good.

At the beginning of last week business was very plentiful for all, but by the second half it had slacked down very considerably. Flowers in general are very scarce. Roses are off crop in this section. Carnations are plentifully shipped in but only few of them are really good. Asters have all the earmarks of a declining season and so have the gladioli. Lilies are just

(Continued on page 454)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone. 3870 or 3871 Madison Square.

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send for
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pers of first-class stock invited.
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Geo. W. Crawbuck Telephone Connection
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Madison Square **New York**

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Wholesale Florists
45 W. 28 Street, NEW YORK
Call and inspect the Best Establishment
in the Wholesale Flower District

ROBERT J. DYSART
PUBLIC ACCOUNTANT AND AUDITOR
Simple methods of correct accounting
especially adapted for florists' use.
BOOKS BALANCED AND ADJUSTED
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THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Lencothoe,
Preserved and Fresh Cut
Cycas and Palmetto.
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122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist **SELLING AGENT FOR**
A full line of Choice Cut Flower Stock for all purposes **LARGEST GROWERS**
by the 100, 1000 or 10,000 **THE HOME OF THE LILY**
TEL. 1998 MADISON SQUARE **49 West 28th St., New York City**

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

Established 1887 **J. K. ALLEN** Still Going Strong
OLDEST IN YEARS BUT UP-TO-DATE IN SERVICE
Cut Flower Consignments Solicited.
A SQUARE DEAL. PROMPT RETURNS. MONEY ALWAYS READY.
106 WEST 28TH ST., NEW YORK
Open 6 A. M. daily. Telephone, 167 and 4468 Mad. Sq.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Tel. 759 55 W. 28th St., New York
Mad. Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS		Last Half of Week ending Sept. 21 1912	First Half of Week beginning Sept. 23 1912
American Beauty, Fancy and Special		12.00 to 25.00	15.00 to 25.00
" " Extra		8.00 to 12.00	10.00 to 15.00
" " No. 1		4.00 to 8.00	6.00 to 10.00
" " Lower Grades		1.00 to 3.00	1.00 to 3.00
Killarney, Richmond .....		.25 to 4.00	1.00 to 6.00
My Maryland, Kaiserin, Carnot .....		.25 to 4.00	2.00 to 6.00
Bride, Maid .....		.50 to 4.00	1.00 to 4.00
Taft, Hillingdon, Ward .....		.25 to 4.00	1.00 to 6.00
Carnations .....		.75 to 2.00	1.00 to 2.00

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones {1664} Madison Square {1665}
CONSIGNMENTS SOLICITED

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

**CENTRALLY LOCATED, THE HUB OF
THE FLOWER MARKET SECTION**
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., N. Y.
Telephone 7062 Madison

Telephone 3860 Madison Square
WOODROW & MARKETOS
WHOLESALE
Plantmen and Florists
41 West 28th Street NEW YORK

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

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WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq.

Henry M. Robinson & Co.
Wholesale Florists
46 West 26th St., New York
Telephone, Madison Square 8510
Also 15 Province St., 9 Chapman Place
BOSTON, MASS.



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

Flower Market Reports

(Continued from page 453)

enough for the demand. This week will see some good flowers of October Frost, Monrovia and Smith's Advance on the market. Pompon and anemone varieties have also been planted in large variety and plenty of them.

The market has been marked by extreme irregularity during the past week, the fluctuations, from day to day, being very pronounced and the average tendency being downward. The most noticeable and also the most deplorable drop in value has been in the case of cattleyas which within a few days experienced a fall of about 75 per cent and changed from a condition of extreme scarcity to one of unwieldy over supply as a result of the first flush of the labiata crop. What will happen when the height of the blooming is reached may perhaps be imagined. There are also lots of oncidiums. Monday of this week saw a most remarkable spurt for a short time on all lines; the next day, Tuesday, was just the reverse and sales were few and at bargain rates. All the new roses are much in evidence here and in such quantities that special prices for these are out of the question. The yellow varieties, of which the supply last season came mainly from New England sources, are especially abundant and the outlook for these seems a bit dubious. Chrysanthemums are coming in by dozens of high grade and hundreds of ordinary and it will not be long before they will run into the thousands daily. There are plenty of dahlias, mostly battered from rough packing, but gladioli are waning fast. The proud man with the first bunch of violets has already shown up.

Carnations came in more plentiful last week and were, on the average, of very satisfactory quality. As the asters are getting on their last legs the carnations come in very handily to take their place. The weather has been against the dahlia crop. First we had it hot and dry, now we have had a lot of rain. If we have a few bright, cool days after

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street, Boston, Mass.

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

MONTREAL FLORAL EXCHANGE, LTD.

ORGANIZED FOR THE BENEFIT OF THE CANADIAN TRADE.

CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION.

Home-grown Stock a Specialty. STRICTLY WHOLESALE; NOTHING SOLD AT RETAIL.

Ample reference furnished as to standing and financial ability of the company.

123 MANSFIELD STREET, MONTREAL, P. Q.

NEW YORK QUOTATIONS PER 100. To Dealers Only

	Last Half of Week ending Sept. 21 1912		First Half of Week beginning Sept. 23 1912	
MISCELLANEOUS				
Cattleyas	25.00	to 50.00	15.00	to 35.00
Lilies, Longiflorum	5.00	to 6.00	6.00	to 8.00
" Speciosum	3.00	to 6.00	2.00	to 6.00
Lily of the Valley .....	.50	to 3.00	1.00	to 3.00
Gladioli .....	.50	to 2.00	.50	to 2.00
Asters .....	.10	to 1.00	.50	to 1.00
Daisies .....	.50	to 1.00	.50	to 1.00
Sweet Peas	1.00	to 2.00	1.00	to 2.00
Gardenias	12.00	to 20.00	12.00	to 20.00
Adiantum .....	.....	to .50	.....	to .50
Smilax	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings .....	.....	to 35.00	.....	to 35.00
" & Spren (100 bunches)	8.00	to 12.00	8.00	to 12.00

the rain we shall have dahlias worth seeing. Roses continue fine and show increasing stamina all along the line, while prices keep on an even keel and are firm at last week's decided advance. The daintiest and most charming of them all at present is Mrs. Taft; It has been extra fine all summer and has never been better than at present. Chrysanthemums are looming up more and more; October Frost is the latest addition to the white section. We have almost too many orchids now. Cattleya labiata, Dendrobium formosum and Oncidium Rogersi are in big supply and seem more than the market can absorb. Gladioli are nearly over, as far as the out-door crop is concerned. Eulalia plumes and titromas, oak foliage, red dahlias, yellow chrysanthemums, are to be seen in quantity and lend a pleasant Indian summer air to the general situation. The glorious autumn with its purple and gold is here.

WASHINGTON While business as a whole during the month just ended has not been as good as could be desired yet there has been a good demand at times. Dahlias have not as yet begun to come in in such quantities as to fill the void left by the quick outgoing of asters and gladioli. This leaves but roses and carnations with which to work. There are plenty of short-stem roses for all purposes and enough long-stem stock to fill all orders. Lily of the valley has been in better demand and orchids are more plentiful and slightly cheaper than they have been. The stores are reporting exceptionally good results from the fern and palm sales they have been holding during the past week or ten

days. The outlook for early outdoor chrysanthemums is poor, due to the ravages of thrips which are very active this season.

ST. LOUIS The market during the past week was noted for its scarcity of stock and numerous buyers. The wholesalers report clean-up sales almost daily. Roses seemed to let up all of a sudden in all varieties, with Beauties in big demand. Carnations are plentiful, but of poor quality. Tuberose stalks, gladioli, lily of the valley, lilies and asters all sell at sight; that is, in the first grades. Asparagus sprays, too, sell cleaned up daily.

**HARDY CUT FERNS
FANCY and DAGGER**
Galax, Boxwood, Laurel
Roping, Wild Smilax, etc.
Hartford & McDonough
70 PEMBERTON SQ., BOSTON

Wired Toothpicks
Manufactured by
W. J. COWEE, Berlin, N. Y.
10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all Cut Flowers
28 Willoughby St., Brooklyn, N. Y.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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APHINE

Aphine Mfg. Co., Madison, N. J.
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AQUATICS

To Close for Cleaning Pool, 20% for Cash With Order.

Water hyacinths, the oddest, most beautiful and valuable plants; extra strong, in the finest condition; \$5.00-100, \$35.00-1000; second grade, \$3.00-100, \$18.00-1000. Blooming water hyacinths make leaders at 25c. retail. Cash, please. Texas Nursery & Floral Co., Box 178 Alvin, Tex.

ARAUCARIAS

Gedfrey Aschmann, Philadelphia, Pa.
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ASPARAGUS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.

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Asparagus plumosus, 2½ in. pots, at \$1.00 per 100. Ruxton Floral and Nursery Co., Ruxton, Md.

Asparagus plumosus nanus, 2½-in., \$3.00 per 100. Cash. A. & G. Rosbach, Pemberton, N. J.

Asparagus plumosus, 2½-in., \$2.00 per 100. A. Sprenger, 2½-in., all strong stock, \$1.90 per 100 if ordered at once. Cash. John Bauscher, Jr., Freeport, Ill.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Lochner & Co., New York, N. Y.
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BAY TREES

McHutchison & Co., 17 Murray St., N. Y.
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Bobbink & Atkins, Rutherford, N. J.
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August Roelker & Sons, 31 Barclay St., New York.

For page see List of Advertisers.

Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS

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R. Vincent, Jr., & Sons Co., White Marsh, Md.

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BEGONIAS

J. A. Peterson & Sons, Cincinnati, O.
Glory of Cincinnati.

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Fancy Begonia Rex, 7 varieties, \$4.00 per hundred. A. & G. Rosbach, Pemberton, N. J.

BOXWOOD TREES

Bobbink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees, all sizes. Ask for special list.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.
Lord & Burnham Co., 1133 Broadway, N. Y.

BOXES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BULBS AND TUBERS

J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Michell's Seed House, Philadelphia, Pa.
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Ralph M. Ward & Co., 71 Murray St., New York.

Horseshoe Brand Lilies and French Bulbs.
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James Vick's Sons, Rochester, N. Y.
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The W. W. Barnard Co., Chicago, Ill.
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O. V. Zangen, Hoboken, N. J.
Dutch and French.

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Weeber & Don, New York, N. Y.
Double Narcissus Von Sion.

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Bulbs of all descriptions. Write for prices.
C. Keur & Sons, Hillegom, Holland.
New York Branch, 31-33 Broadway.

CALLAS

MacRorie-McLaren Co., San Francisco, Cal.
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CANNAS

R. Vincent, Jr., & Sons Co., White Marsh, Md.

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CAPE JASMINE

Cape Jasmine, fine cuttings, 8 inch and over, ready for rooting; 100 \$1.00, 1000 \$8.00, prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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F. Dorner & Sons Co., Lafayette, Ind.
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George Peters & Sons, Hemstead, N. Y.
Field-Grown Carnation Plants.

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B. G. Merritt & Co., Grange, Md.
Field-Grown Carnations.

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FIELD GROWN CARNATION PLANTS.

	Per 100.	Per 1000.
Enchantress,	\$6.00	\$55.00
Winsor,	5.00	45.00
Lawson,	5.00	45.00
Lady Bountiful,	5.00	45.00

Very fine stock. Plants run from 15 to 20 shoots. United States Cut Flower Co., Elmira, N. Y.

FIELD GROWN CARNATIONS.

Constant cultivation, careful topping, good soil and sufficient moisture have made these the finest plants we have ever grown. Shipment the same day order is received. Cash with order unless your name is on our books.

	Per 100	Per 1000
20,000 Enchantress,	\$5.00	\$45.00
3,000 Vesper,	4.00	35.00
10,000 Queen Louise,	4.00	35.00
Virginia Nursery Co., Purcellville, Va.		

CARNATIONS—Continued

2000 Enchantress\$45.00 per 1000
1000 Rose Pink Enchantress. 45.00 per 1000

1000 Queen 35.00 per 1000
Fox & Rosen, Parkerford, Pa.

Carnations, 700 Fair Maid, \$5.00 per 100.
Wm. Capstick, Auburndale, Mass.

CHRYSANTHEMUMS

R. J. Irwin, New York, N. Y.
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CHRYSANTHEMUM, THE. By A. Her-
rington. The author has endeavored to
assist and direct the efforts of those who
would grow and excel in producing per-
fect chrysanthemum flowers, showing that
not in secret arts and practices, but in
plain course of procedure are the desired
results attained. Illustrated, 160 pages.
Price 50 cents.

Orders filled by HORTICULTURE, 11
Hamilton Place, Boston.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
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Cyclamens, 3-inch pots, \$10.00 per 100;
\$80.00 per 1000. Julius Roehrs Co., Ruther-
ford, N. J.

DAHLIAS

R. Vincent, Jr., & Sons Co., White Marsh,
Md.

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Dahlias—2500 field clumps, latest varie-
ties, cheap for cash; or what have you to
exchange? Geo. H. Walker, Dahlia Expert,
North Dighton, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cas-
sett, Golden Wedding, New Century Dah-
lias, etc. Big stock of best cut flower
dahlias. Write for surplus list and special
prices. Peacock Dahlia Farms, Williams-
town Junction, N. J., Post Office, Berlin,
N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
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Robert Craig Co., Market and 49th Sts.,
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John Scott, Brooklyn, N. Y.

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Woodrow & Markatos, 41 West 23th St.,
New York.

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DELPHINIUMS

Delphinium Formosum, extra strong, 2
year old, \$4.50 per 100. Write for samples
and wholesale list. Geo. F. Kimbel, Flour-
town, Pa.

DOUBLE CLAW HAMMER

Double Claw Hammer Co., Brooklyn, N. Y.
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Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.
Wizard Brand Cattle Manure.
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DOUBLE FARM CROPS. By restoring
soil fertility with Shell-Marl Land-Lime,
Wood Ashes Substitute, Ground Phosphate
Rock, Basic Slag. Endorsed, recommended
and used by experiment stations and lead-
ing farmers. Best results by applying in
the fall. Send for catalogue. Vermont
Marl Company, Brattleboro, Vermont.

FERNS

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Frank Oechslin, 4911 Quincy St., Chicago.
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F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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Ferns. Rostow, Sword and Barrowsll,
4-in., 10c.; 5-in., 15c. Cash. C. F. Wagner,
Oak Hill, Ohio.

Adiantum cuneatum clumps, will divide
to make 4 to 6 plants, \$12.00 per 100.
Wm. Capstick, Auburndale, Mass.

Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.

Fern runners, fine stock Boston, Whit-
manil, Amerpohil, Springfieldil, \$1.80 per
100, \$15.00 per 1000. Roosevelt runners,
very fine, \$6.00 per 100, \$50.00 per 1000.
Roosevelt, 4-inch, \$15.00 per 100, 5-inch,
\$25.00 per 100. Asparagus Plumosus, 4-
inch, handsome stock, \$8.00 per 100. 50.00
sq. ft. of glass at Cleveland, O., devoted
exclusively to ferns. I have the best stock
to be had anywhere. Prices are low, for
cash only. Schneider, Florist, Springfield,
O.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass., and
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Kervan Co., New York.
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Hartford & McDonough, Boston, Mass.
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GERANIUMS

R. Vincent, Jr., & Sons Co., White Marsh,
Maryland
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NEW GERANIUM "HELEN MICHELL."
The best clear scarlet Bedding Geranium
ever offered. See Adv., page 384. 2 1/4 in.
plants (ready from January, 1913), \$2.50
per doz.; 100, \$15.00; \$125.00 per 1000.
Orders Booked Now.
MICHELL'S SEED HOUSE,
Philadelphia, Pa.

GLADIOLUS

John Lewis (Childs), Flowerfield, N. Y.
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GLASS

Standard Plate Glass Co., 26-30 Sudbury
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Parshelsky Bros., Inc., 215-217 Havermeier
St., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH

Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish foods, nets,
etc., wholesale. Franklin Barrett, breeder,
4815 D St., Olney, Philadelphia, Pa. Large
breeding pairs for sale. Send for price list.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
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HAIL INSURANCE

Florists' Hail Asso. of America.
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P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Bobbin & Atkins, Rutherford, N. J.
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HOLLYHOCKS

Hollyhocks, large transplanted, double
white, yellow, pink, red, maroon, single
mixed, \$4.50 per 100. Write for wholesale
list of other perennials; it will pay you.
Geo. F. Kimbel, Flourtown, Pa.

HOSE

H. A. Dreer, Philadelphia, Pa.
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Kentucky Tobacco Product Co.,
Louisville, Ky.
Nico-Fume.

IRIS

Henry A. Dreer, Inc., Philadelphia, Pa.
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IVIES

English Ivy, strong, at \$8.00 and \$12.00
per 100. C. Winterich, Defiance, O.

JAPANESE LILIES

Lochner & Co., New York, N. Y.
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In writing to Advertisers kindly mention Horticulture

LANDSCAPE ENGINEERS AND CONTRACTORS

Fairfield Landscape & Nursery Co.,
New York, N. Y.
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LEMON OIL

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NICO-FUME

Kentucky Tobacco Product Co.,
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Hardy, Northern Grown Stock.
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Bobbink & Atkins, Rutherford, N. J.
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W. B. Whittier & Co., South Framingham,
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P. Hamilton Goodsell, New York, N. Y.
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Fairfield Landscape & Nursery Co.,
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McHutchison & Co., 17 Murray St., N. Y.
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Lancaster County Nurseries, Lancaster, Pa.
Shade Tree Bargains.
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August Roelker & Sons, 31 Barclay St., N. Y.
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Charles E. Frankenbach & Sons,
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

**TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.**
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ORCHID GROWERS' MANUAL.
By B. S. Williams, 300 illustrations, 800
pages; descriptions of upwards of 2500
species and varieties of orchidaceous
plants, etc. The most complete work on
Orchids and Orchid Culture ever pub-
lished. Price \$10.00.
Orders filled by HORTICULTURE, 11
Hamilton Place, Boston.

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PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

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Peonies. The world's greatest collection,
1200 sorts. Send for list. C. Betscher,
Canal Dover, O.
Peony roots, white, pink, red and yellow,
\$3.00 per 100 and up. Send for list.
Thomas J. Oberlin, Sinking Spring, Pa.

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PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.
\$1.25 by mail. I. N. Kramer & Sons, Cedar
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POULTRY AND FRUIT REVIEW

The Rex Company, Harrisburg, Pa.
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PRIMULAS

Primula malacoides, 4 in. pots, at \$8.00
per 100; 2½ in. pots, at \$4.00 per 100.
Primula obconica (best strain), 2½ in. pots,
at \$3.00 per 100. Ruxton Floral and Nur-
sery Co., Ruxton, Md.

Primulas, all 2-inch pots. Malacoides,
Chinese, Forbesi, obconica alba, rosea, lilac,
rubra, hybrida, compacta, carmine, blue,
sanguinea, giant rosea, giant mixed, Ke-
wensis, \$1.50 per 100. All fine, strong
stock. Cash. Byer Bros, Chambersburg,
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For sale at a bargain, about 3000 extra
choice American Beauty rose bushes.
Reed & Cheeney Co., Grand Rapids, Mich.

400 Radiance Roses, 4 in. pots, at \$10.00
per 100. 200 Golden Gate 4 in. pots, at
\$8.00 per 100. Ruxton Floral and Nursery
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Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

STOVE PLANTS

Orchids—Largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

STRAWBERRY PLANTS

P. H. Goodsell, New York, N. Y.
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Fall Bearing Strawberry Plants, best
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Violets, Prince of Wales, strong, healthy,
field plants, \$6.00 per 100; \$55.00 per 1000.
Charles Lenker, Freeport, L. I., N. Y.

VIOLETS—Grower wishes to supply dealer
with double violets for coming season.
L. P. Schaeffer, Barrytown, N. Y.

20,000 field violet clumps, choice stock,
ready now. Princess of Wales, \$5.50 per
100. Lady Campbell, \$5.00 per 100. Cash,
please. A. B. Campbell, The Violet Grower,
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GREENHOUSES BUILDING OR CON- TEMPLATED.

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Ligonier, Ind.—Otto C. Shrock, one house.

St. Augustine, Fla.—E. J. Penson, house 11 x 45.

Dayton, Ohio—Mrs. Elizabeth Phebus, one house.

Grand Rapids, Mich.—Paul Baese, range of houses.

Louisville, Ohio—Milton Taylor, house 35 x 100.

Ayer, Mass.—George E. Felch, Grove street, addition 16 x 45.

Hartford, Conn.—John Coombs, Benton street, two houses.

Brooklyn, N. Y.—Dailedouse Bros., Lenox road, house 11 x 90.

St. Paul, Minn.—D. A. Wallace, 1640 Montreal street, one house.

Baltimore, Md.—Ellen M. Tormey, Oakford avenue, one house.

Coshocton, Ohio—S. M. Hamilton, 937 Orange street, one house.

Spokane, Wash.—H. L. Olsen, Lincoln Heights, range of houses.

Dallas, Tex.—Richmond Hill Floral Co., five houses, each 27 x 200.

Trenton, N. J.—Charles H. Schanck, 21 Mulberry street, one house.

Providence, R. I.—Richard Higgins, 217 Academy avenue, house 30 x 120.

Fort Smith, Ark.—C. J. Brockman, 11 North Eighth street, house 15 x 100.

Binghamton, N. Y.—Harry Hopkins, Main street and Floral avenue, additions.

Kankakee, Ill.—Charles Schaffer, fern house with basement for cold storage.

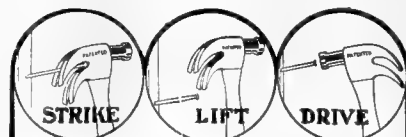
Champaign, Ill.—Thomas Franks & Son, 204 East University avenue, three houses.

Philadelphia, Pa.—Bartram Nurseries, 54th street and Gray's avenue, one house.

Hartford, Conn.—E. W. Newton, 358 Wethersfield avenue, rebuilding one house.

Germantown, Philadelphia, Pa.—Henry C. Woltemate, 335 Mt. Airy avenue, house 20 x 100.

TO RENT—A range of five houses, 11,000 feet of glass. Established place, equipped for business. Best reason for renting. S. J. C., care HORTICULTURE.



GREAT for HIGH NAILING

Pulls the nail out straight and easy. This is important in hot houses.

16 or 21 oz. Head.

Cheapest and handiest hammer ever made, when you consider what it will do. Costs three times more to make—but, At your dealer's or from us, delivery pre-paid.

PRICE \$1.50.

DOUBLE CLAW HAMMER CO.

453

BROADWAY
BROOKLYN
N. Y.



HELP WANTED

WANTED—Good, all-round man for violets. Single, good worker. E. Bingham, Pine Street, Dedham, Mass.

GROWER WANTED for 'mums, carnations and general stock. Want party to take interest in place. Address M. F., care HORTICULTURE.

FERTILIZER AGENTS WANTED—To handle Shell-Marl Land-Lime and other materials. Exclusive agency, liberal commission. Vermont Marl Co., Brattleboro, Vt.

HELP WANTED—A willing, single Protestant to help on small commercial place; 'mums, peas, carnations, some bedding plants; year-round job, home and small wages. M. L. Tirrell, Lafayette St., Randolph, Mass.

WANTED—Man of experience in growing and with good knowledge of hardy perennial stock, in up-to-date ornamental nursery. Address T. A., care HORTICULTURE.

WANTED—Energetic experienced traveling man. Young man with knowledge of cut-flower trade and florists' supply business can secure good position. Address B. W., care HORTICULTURE.

EXPERIENCED GROWER for bedding plants, 'mums, lilies, carnations, Easter and Christmas stock. Only energetic, sober and reliable man. German preferred. H. E. C., care HORTICULTURE.

SITUATIONS WANTED

ASSISTANT GARDENER

Wishes position on gentleman's place. Ten years' experience inside and outside in England and America. Best references. "A. B. C." care of HORTICULTURE.

SITUATION WANTED—By a gardener, florist; Swedish; married, one child. Private place preferred. "K. G.", care HORTICULTURE.

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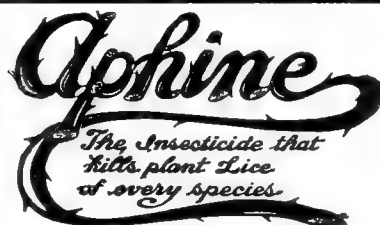
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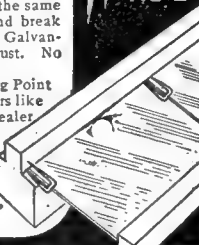
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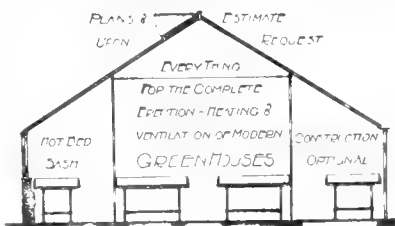
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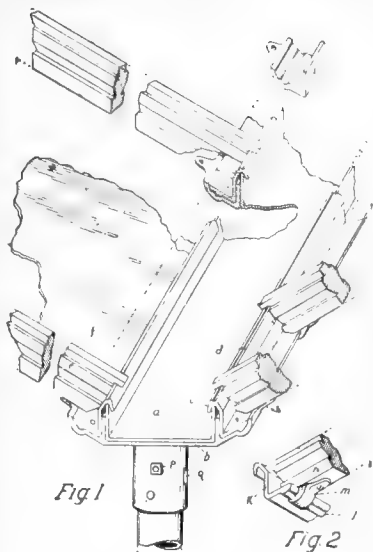
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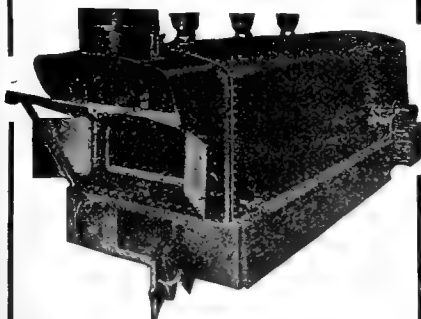


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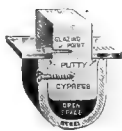
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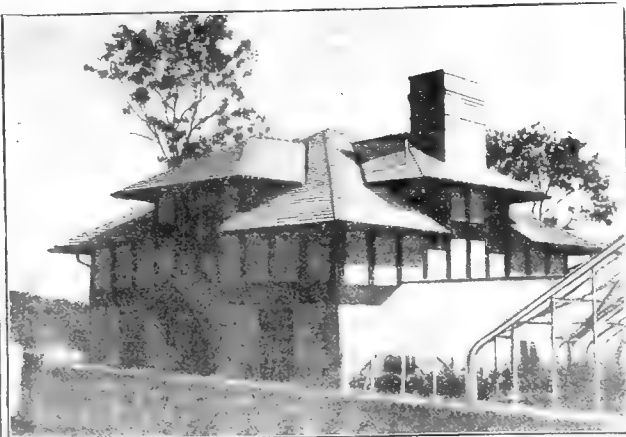
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HORTICULTURE

Vol. XVI.

OCTOBER 5, 1912

No. 14



A FLORIST'S WINDOW
Samuel Murray, Kansas City, Mo.

*Devoted to the
FLORIST, PLANTSMAN,
LANDSCAPE GARDENER,
and
Kindred Interests*

*Published
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13 c/m bulbs, \$8.50 per 1,000; 14 c/m bulbs, \$10.50 per 1,000.

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French-grown.
Mammoth bulbs, ¾ in. and up, \$12.00 per 1,000; Extra sized bulbs, ½ to ¾ in., \$9.00 per 1,000.

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Best Standard Commercial Varieties.
New Importation. Ready in October.
Diameter. Per Doz. Per 100.
Plants.... 10-12 in. \$6.00 \$40.00
Plants.... 12-14 in. 9.00 50.00
Plants.... 14-16 in. 12.00 70.00
Plants.... 16-18 in. 15.00 100.00

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Cold storage. Very finest quality obtainable. Packed in cases of 500 and 1,000.

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10 bbl. bales, per bale, \$4.00; 5 bales, \$3.75 each; 10 bales, \$3.50 each; 25 bales, \$3.25 each.

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For Buyers' Directory and Ready Reference Guide
See Pages 488, 489 490, 491

THE 'PHONE RINGS (March 17, 1913) (EASTER WEEK)

"Hello, is that you, Jones?"

"Yes. Who are you?"

"Why, this is Smith, the East Side Florist. I understand you have a fine crop of lilies in flower."

"I certainly have—they are fine, and will bring a good profit too, because good lilies are scarce this year."

"Well, Jones, can't you spare me a few—I need them very much."

"Why, what's the matter with your own crop, Smith?"

"Sorry to say they don't look very good, and won't be in on time for Easter—it's an awful disappointment for me."

"Why, that's funny, mine did all right, and are fine. I had to force them a little hard, but they stood it all right. What brand of bulbs do you use?"

"Well, don't know as they were any special brand. I bought them from the same man I buy my other bulbs from—guess he gets them in New York somewhere. Where did you get yours?"

"Mine are the HORSESHOE BRAND GIGANTEUM, from Ward. It's the best brand to buy in the long run. I fooled around for years before I found it out. I've tried all kinds, but none can equal them. Ward makes a specialty of lily bulbs and no one can compete with them in quality."

"That's what Jim Brown said; he uses Horseshoe Brand, too, and has a fine lot, but wants 20c. a bud for them, and I can't afford to pay that."

"That's what I want, too, Smith. I can get 25c. retail this year for all I have, so why should I sell them for less."

"Well, can't you help a fellow out when he gets in such a fix. I need 3000 flowers."

"Sure, I'm helping you out by giving you any at all. I'll let you have 500 at 20c. each, that's all I can spare."

"All right, send them over right away, for I need them now. Guess I'll buy Horseshoe Brand lily bulbs next time and see if I can get a better crop myself. Thanks, good-bye, Jones."

HORSESHOE BRAND GIGANTEUM

For Immediate Delivery at CHICAGO

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Size 7-9 in., Superior Assortment \$19.50 per case; \$65 per 1000.

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Berlin Valley Pips HIGH GRADE QUALITY

From New York Cold Storage.
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PALMS, AZALEAS, &c

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Antirrhinums

Take good care of the antirrhinums that you have grown on and now have in 4 or 5-inch pots as they make a fine cut flower to follow chrysanthemums. Give them a bench in a cool house where they can have plenty of light. Where the flowers are showing they can be pinched off which will make the plants more bushy. Give them a fumigating often, but moderately, so that the green fly will not get a foothold. Pay regular attention to watering, airing, etc., so they will be encouraged in vigorous growth until you have a place in which to plant them out. As your early chrysanthemums are cut they can be planted into the 'mum soil and will do fine. They like a temperature of from 45 to 50 degrees at night and 10 to 15 degrees higher with sunshine. Give them plenty of ventilation when the outside condition will allow. When they throw up their spikes pinch out the side shoots which will be quite numerous. This will improve both the flowers and spikes. As they become well established they will take a liberal amount of liquid manure

A lamandas

Plants that have been growing all summer will have made some fine wood by this time. Where you want a batch of these to flower early, they will need some care as to ripening up their wood. Discontinue syringing and place them in a house where they will have a temperature no higher than 60 degrees at night, and in about three weeks they can be given about 55 degrees. Withhold water even if they do flag a little, but not to the point of allowing the wood to shrivel which would be a great injury. Keep on giving less water at the roots until you have the wood in a well ripened state. To flower well they should have a rest of from ten to fifteen weeks before they are started up. These plants can be handled so they will bloom at any time of the year by giving them a rest. When the wood is well ripened prune them back well. This followed by high temperature, abundance of water at the roots and a high degree of moisture in the air, will encourage them into growth again. Where you have a call for yellow flowers these can be made very serviceable for the florist.

Cinerarias

These plants will now be making very rapid growth and should have every attention to keep them in full vigor. They will soon need to be housed, as the weather now becomes very uncertain. The management of cinerarias under glass is a simple matter. Give a cool and airy house, where the temperature can be kept from 40 to 45 degrees at night, with a rise of 10 degrees during the day with sun heat. A very imperative necessity is fresh air whenever possible. Particular care should be taken to ventilate well during warm and dull weather so that the plants will not become soft in growth. Do not let them get in a pothound state before giving them a shift. In order to make them grow into fine plants they will need a compost of two-thirds of chopped sods and one-third of well decayed cow manure. Be sure of per-

fect drainage in the pots which will prevent the soil from becoming sour. The green aphid is likely to be troublesome from this out so fumigate once a week which will hold them down

Hydrangea arborescens

This is a very fine hydrangea to use for forcing, giving fine heads of large flowers, which will make a valuable acquisition in the line of pot plants. Where you did not grow some of these it would be well to buy some now and pot them up, using any good rich soil. Give them pots just large enough to hold the roots without too much crowding. After they are potted place them in a cold frame until January. Give just enough protection so they can be brought in when wanted. Before starting them up prune them back to within about 5 or 6 inches of the pot.

Orchids

Now that the short days are coming on us, with less sunshine, fire heat will again be necessary with all cool orchids. It is better to have a gentle warmth running through the pipes with ventilation, than to try to bottle up some heat by shutting down the houses early. Such treatment often produces the right condition for the spread of fungus or spot. With the intermediate orchids you will need to increase the fire heat to meet the outside conditions. During damp, dull, murky weather give careful attention to the atmospheric conditions inside. There should be just enough of fire heat to allow ventilation both night and day unless we have a very cold snap. With warm orchids ventilation and firing will need very careful attention to avoid any great extremes in temperature. See that the atmosphere does not become too dry. Your houses will require damping down two or three times a day to keep them right. At this time of the year it will be advisable to modify the temperature in the various departments as growth and root action are not very active from now on. The cool house should be given a night temperature of about 55 degrees; day, with sun about 65 degrees; without sun anywhere from 58 to 60 degrees. The intermediate house can be kept about 60 degrees at night, with a rise to 70 degrees with sun, but without sun around 65 degrees will do. In the warm house anywhere around 70 degrees at night will be high enough, with a rise to about 80 degrees during bright days, but during dull days 75 degrees will fill the bill.

Oxalis

Where you have a sale for pot plants grow a batch of oxalis as they make an admirable pot plant for winter flowering. Plant two or three bulbs in a four-inch pot and place in a night temperature of about 55 degrees. For a compost use turf; loam three parts, well decayed cow manure one part, and see that they have good drainage. When they have filled these four-inch pots shift into a six-inch and they will show a mass of bloom. They will take an abundance of water while growing, so see that they have it when needed.

Mr. Farrell's next notes will be on the following: Adiantums; Araucarias; Coreopsis grandiflora; Crotons; Geraniums; Primulas for Christmas.

HORTICULTURE

VOL. XVI

OCTOBER 5, 1912

NO. 14

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.
 WM. J. STEWART, Editor and Manager.

ADVERTISING RATES

Per inch, 30 inches to page..... \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.
 Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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Advice
accepted

In his very interesting talk on advertising at the Chicago convention, L. W. C. Tutbill took occasion to criticise the location of the "List of Advertisers" in the florist trade papers and to suggest that the proper place for this feature is the first page following the cover. This particular remark evoked so much applause that we became convinced there was "something in it" and consequently, as HORTICULTURE is ever ready to adopt anything that appears progressive our list of advertisers will be found in this and succeeding issues, for a while at least, in the place suggested by Mr. Tutbill. We should like to hear the views of both advertisers and readers on this change of make-up, whether favorable or otherwise.

Our
"International"

"This causes us to wonder how long it will be before

the "International" takes place across the Atlantic, for not long since a prominent American warned us that if Britain desired to maintain her eminent position she must "hoist her slacks." However, we are not alarmed, and will hail the day when the I. H. E. becomes a *real live* International."

All of which seems to suggest that the London "International" did not quite attain the ideals set for it. So far removed are we from the great horticultural nations of the old world that America can hardly hope to set any extraordinary pace in the "International" line but we are going to have a try at it next April and although it has not been very long or loudly proclaimed we have reason to believe a very fair beginning will be made. The more there are of foreign exhibitors the happier we shall be and those who favor us with their presence will never forget or regret the occasion.

A practice that
hurts

After reading the cut flower market reports from the various centres, and with a general knowledge of the situation and the progress of production on all sides, one cannot but feel exasperated over the items that repeatedly creep into the daily newspapers, avowedly based on the statements of some local florist, concerning the alleged scarcity of flowers and their prohibitive value for people of moderate means. Easter and the Christmas holidays are favorite occasions for the dissemination of this sort of stuff but it is confined to no season and no locality. It has already begun its mischievous work for this season. Just what peculiar motive or line of reasoning prompts a florist to spread broadcast reports that must cause a direct injury to his business, through its discouraging and deterrent effect on prospective buyers, is past our comprehension. We hear much regarding the value of newspaper publicity in bringing the public to appreciate what the florist business can do to gladden their existence. In this connection we would respectfully suggest that one of the most practical things the florists can do in their publicity campaign is to set their feet down vigorously on this "scare head" business, for which there may have been some reason away back in the dim past but for which none now exists.

Testing seed
germination

The Department of Agriculture has recently issued a Bulletin giving the results of a five years' germination test of packeted vegetable seeds as sent out by some sixty "box trade" houses and twenty mail order concerns. The average germination of all the packets of box seeds was 60.5 per cent. and of the mail order seeds 77.5 per cent. Naturally the results varied greatly, some lots scoring high and others very low, and in the case of the box or commission seeds seeming to justify somewhat the prevalent distrust of seeds sold under that system. The Department, in drawing its conclusions, suggests as a remedy that "The sale of packeted seeds will not be on a proper basis until each packet is labeled with the percentage of live seed which it contains. This practice would do away with the trade in seeds of low vitality and at the same time give the purchaser the information to which he is entitled and without which he can not use to the best advantage the seeds he buys." This proposition is hardly feasible. Mail order houses put up millions of packets of seeds, while the commission houses put up many millions more and it is frequently impossible to fill the packets all with one lot of seed and the percentage of growth would consequently vary. The names of the seed houses whose goods were under test are not furnished but it is safe to say that no honest house would knowingly send out seeds of as weak vitality as the smaller percentages reported by the Department.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Cloudy Days

These seem to be quite plentiful in our locality and those that may have neglected syringing somewhat and have a nest of spider here and there will have a good chance to regret it. Should you have a house with these nests in it lose no time in cleaning them out. Some good insecticide properly applied will be found a great help. Apply just before syringing if possible and then directly after.

Temperature

Do not make the mistake often made and run your houses too warm on cloudy days. Of course you may not be able to keep the temperature down when it's warm outside, but this will hardly be the case from now on. Usually our cloudy days are raw and chilly, when a little fire heat goes real good. We try to keep the houses below 70 degrees, not forgetting to ventilate as freely as weather will permit. 66 to 70 degrees is about right on cloudy days, this time of the year. On the first clear day following several cloudy ones, the houses should not be allowed to run above 74 degrees if at all possible. This will bring them back to their regular day temperature gradually and there will be no sudden changes from cold to hot and vice versa.

Plants in Solid Benches

These will not take as much water during cloudy weather as raised or semi-solid benches will and this fact should be borne in mind when watering. We once had a bench of tea roses that would not behave and on investigating we found the plants had but very little root in the surface soil, nearly all roots going down through the stone drain into the soil below. The plants were old plants and some of these roots were half an inch in thickness. It seems these plants while resting during the summer months were run too dry altogether, so they forged their way down to the lower soil to get water. After this discovery we dried off the plants a little and cut them down to almost nothing and then replanted them in new soil. Then we got quite some buds off these.

Looking after Blackspot

As we advise through these columns every now and then, be on the watch for spot, and as soon as any appears anywhere pick it off and burn it. A spraying with the ammoniacal copper carbonate will also help to keep it from spreading, but do not for a minute think it will cure. The only cure is to grow the plants out of it and keep the air sweet and fresh all the time. Beauties are not the only roses that are subject to it. Killarneys, Richmonds—in fact all the roses are more or less inclined to get a dose of spot if mistreated in any way. If spot appears omit syringing at once for as long as you think it safe. Syringing will always help spread spot more or less.

Other Plants in Rose Houses

It seems a shame to see so much space underneath the

benches that is idle all the time, and yet we find roses are not like other plants and thrive best when grown altogether by themselves. Not that other plants cannot be grown in the rose houses. One thing a person has to keep in mind is that any plant brought into the houses should be perfectly clean and free from all bugs. Certain varieties of bedding plants have a great habit of harboring several different kinds of insects and prove to be only insect breeders in the houses, as it is usually very difficult to exterminate insects from these plants.

Rats and Mice

This hardly goes under the head of "Roses," but we find a good many rose-growing establishments so overrun with rats and mice that a little reminder might strike home here and there. Cats are as bad as the mice—in many cases worse. We find there is nothing that beats the little "Joker" traps. These are made big enough for rats, too, and the joke is certainly on many mice and rats. Scald these traps every now and then with steam or boiling water, and if possible set them with gloves on your hands. You may laugh at this and yet a rat can smell the touch of man's hand enough to know there is danger lurking in the innocent-looking piece of board with some fancy wire scrolls on it. Keep your place free from insects and other pests as well.

Handling Cut Roses

Remember that it does not take much to bruise the tender petals of roses, and also that they have to pass through several hands before they finally reach the retailer's customer. White roses will show bruise much more easily than roses of other colors, so be especially careful in handling these. In cutting keep the buds neatly on top of one another or if the length of stems does not vary too much, you can keep the ends of stems together and place them in water before grading, but we think this is a poor practise. Grade your roses as soon as possible after cutting and put them into water, where they will remain until they are shipped. Keep this water fresh at all times. Better empty all jars and vases daily and make sure. Stagnant water kills the foliage immersed in it, thus rendering the stock less salable.

In packing never pack two tiers of roses in a box when shipping whites. The best way is to have shallow boxes and pack only one layer. Go to the city every now and then and see just in what condition your stuff arrives. You will no doubt be surprised at what you see.

Sheep Manure

We would not advise using any sheep manure in the rose houses as yet. It is far too early in the season. The only place where sheep manure will go good would be with old stubborn plants that have been carried over and are just breaking for another crop. Usually the bottom wood on all such plants is quite hard and naturally the stems of all flowers cut may not be so long as they might be. A light dose of pulverized sheep manure or a little liquid made with the same will do a great deal to make the stems a little longer.

THE EXHIBITIONS

NATIONAL DAHLIA SOCIETY (ENG.)

The annual exhibition of the English National Dahlia Society was held on September 17 and 18 in the great area in front of the Handel Orchestre at the Crystal Palace, Sydenham.

There was the usual display of amateurs' exhibits in the various competitive classes. Among the artistic groups and exhibits provision is made for tastefully arranged vases, baskets, etc., filled with dahlia blooms and ornamental greenery, some examples of which were really very attractive. In the bigger competitive classes the names of many well-known growers were prominent as large prize winners. The classes were very attractively set up. Of the varieties shown their name is legion and would probably be of no interest to our oversea readers to whom perhaps many would be unfamiliar.

The big trade specialists made an excellent display—in fact their lots made a kind of frame-work to the whole show. Cannell & Son had a long table, the blooms arranged with ferns and other greenery. All along one side was a big array of cactus and peony dahlias in fine form, on the other side giant singles. Colletteres, etc., lined the table, the most brilliant of coloring marking the display. At each end was a little bit of relief in the way of pompons and singles (Gold medal).

James Carter & Co. had a circular group arranged on the ground level. In the centre was solidago in variety, then a mass of pteris and adiantum ferns; peeping out at intervals were fine big blooms of cactus varieties thrown into relief by stand-up vases filled with peony varieties. An edging of asters in pots and ferns completed this altogether artistic display (Large silver gilt medal). Exactly opposite was a table the replica of Cannell & Sons. This was sent by Mr. J. Emberson, who was awarded a silver gilt medal.

T. S. Ware had a lengthy run of tables all filled with most attractive material. It was divided into three sections, the first being dahlias, the middle cut blooms of double flowering tuberous begonias, a richly colored lot, the third hardy herbaceous stuff. The peony dahlias comprised all the well known monsters of Dutch origin, many cactus and the other sections in variety (Large silver gilt medal).

J. B. Riding won a gold medal for a good lot of the colletterette type. It was a very prettily arranged group in which the flowers were all more or less artistically graded. The lot staged by J. T. West was rather heavily arranged, the flowers being big and fine but rather crowded in the receptacles used and the whole exhibit rather flat. He was awarded a gold medal.

Hobbies, Limited, put up a fine show. The front of their table was decorated with an edging of virgin cork behind which were tall stands filled with all the leading sorts of colletterette, peony and cactus dahlias in great profusion. Some roses in large

wooden baskets also helped to give attractiveness to the display.

First class certificates were awarded to J. Burrell & Co. for Mrs. A. Brown, a perfectly circular, pale yellow, single, of fine form and very broad florets, and for pompon Johnnie, a neatly built flower of deep maroon purple. Other novelties of singles were Emperor and Brightness, a vivid red. J. Stredwick & Son showed novelties of which two received first class certificates, but we failed to find the names. They also had a gold medal for "Defiance," a cactus bloom of soft golden amber, a very large, handsome-looking flower.

C. HARMAN PAYNE.

NEW JERSEY FLORICULTURAL SOCIETY.

The New Jersey Floricultural Society held their seventh annual dahlia show in Lindsley Hall, Orange, Saturday, Sept. 28th. The display of dahlias this year was away ahead of other years and all the blooms were first class. The special prizes given by Hitchings & Co., silver and bronze medals by Michell's Seed House, Philadelphia, and Vaughan's Seed Store, New York, brought out a great many entries. The silver cup offered by Stumpp & Walter Co., New York, for the best display of vegetables brought out five entries of excellent quality, which all goes to show that if we have the prizes to offer there will be lots of competitors for them. The show was well patronized by the public.

The following are the awards of the judges:

Thirty blooms dahlias, show, decorative and cactus 1st, silver cup by Hitchings & Co., won by Walter M. Gray; 2nd, silver medal by Michell's seed house, won by John Deryan; 3rd, pair brass bound oak jardiniere, Vaughan's Seed Store, N. Y., won by Wm. Reid. The Michell bronze medal for 50 single dahlias was won by Frank Drews. The Stumpp & Walter cup for display of vegetables was won by David S. Miller, gard. for G. G. Mason of Tuxedo Park, with a grand collection of 48 varieties. Special prize by H. J. Skern for best display of annuals for school children only, won by M. B. Killingbeck, Jr. The winners in the "Cottage Garden" contest for the best kept garden are as follows: 1st, Miss Mabel Neil; 2d, Donald McGowan; 3d, W. B. Killingbeck, Jr. In the regular dahlia classes, W. M. Gray won five firsts, D. Kindsgab two seconds, E. Panuska three firsts, one second; G. B. Wilson two seconds, W. Reid two firsts, one second; Geo. Wright six firsts, Max Schneider two seconds, E. Berglund one first, one second. Certificates of merit for various exhibits were awarded to G. B. Wilson, Geo. Wright, W. M. Gray, E. Panuska, E. H. Corbelyon, Wm. Tucker and Eugene A. Holland and cultural certificates to Frank Drews, S. H. Higgins, Max Schneider and W. A. Manda.

The judges were Messrs. Geo. W. Strange, Edward Eccles and Peter Duff.

WILLIAM REID, Sec.

Due to the extremely wet weather of the past week, the flower, fruit and vegetable show to be held by the Brookland Brotherhood has been postponed until October 8. The show will be held in Lord Memorial Hall, Brookland, D. C.

RHODE ISLAND HORTICULTURAL SOCIETY.

The annual autumn show of the Rhode Island Horticultural Society, held in Providence, September 24-25, surpassed in quality and quantity, anything that the society has ever held. The arrangement of the show was as near perfect as human skill could make it and this contributed in a large measure to the unqualified success of the exhibit. The value of the exhibits was greatly in excess of previous years, and although not as large as Boston, visitors who had viewed the exhibition at the Hub say that the Rhode Island show was superior in quality. Eugene A. Appleton of Providence was superintendent of the hall and the artistic manner in which the various classes were assigned won for him many well earned congratulations. The scheme followed brought the plants and flowers on a graduated scale and permitted a person entering the hall to get a bird's-eye view of the complete exhibit. The dahlia exhibit was immense, this class being the feature of the show. There were fully 10,000 blooms shown and 1500 specimens were exhibited in single bottles. The rose exhibit was very good, the display of H. Howard Pepper attracting much attention. A miniature landscape garden shown by J. Appleton was an interesting feature. Displays of chrysanthemums, pansies and snapdragon added to the attractiveness of the general appearance. The committee in charge of the general arrangements and exhibits was composed of the following members: Eugene A. Appleton, Richard M. Bowen, Arthur C. Miller, and Thomas Hope, all of Providence; Joshua Vose of Pontiac; E. K. Thomas of the Extension Department of the State College; Henry V. Mayo of East Providence, and Miss Addie F. Holland of Auburn.

BRONX PARK SHOW.

The Horticultural Society of New York was most unfortunate in having so few exhibitors at Bronx Park on the 28th of September, and possibly this falling off was in great measure due to the show being so closely on the heels of the three days' fair at the American Institute. Of the exhibitors it is sufficient to say that H. Darlington, Mamaroneck, N. Y., gard. P. W. Popp, was the principal prize winner, his contributions of dahlias being of sterling merit. There was also a fine display of flowering herbaceous plants staged from the society's gardens.

The visitors would naturally be disappointed at the small quantity of flowers on show but were compensated by the excellent lecture delivered by Geo. V. Nash on "The Upper Delaware Valley and its Flora," which was illustrated by lantern slides. The attendance numbered 160.

VINCENT DAHLIA SHOW.

While the annual dahlia shows of the past five years held by R. Vincent, Jr., & Sons Co., at White Marsh, Md., would have been a credit to any firm, the arrangements of the one just closed were the most elaborate ever attempted by these people. The inside exhibition was set up in a part of the large packing shed, and covered a floor space 40 by 100 feet, requiring upwards of 50,000 flowers. Along each side, and so arranged as to completely conceal the wall there was a continuous bank of dahlias, 90 feet long and 6 feet high, set up in 10-quart galvanized buckets which were entirely hidden by oak foliage. Solid blocks six feet long were so staged as to bring out as far as possible the contrasting colors and artistic effect of each individual variety. Thirty different varieties were staged in this way, viz.: Cuban Giant, Queen Wilhelmina, Lyndhurst, Princess Victoria, Louise, Chas. Lanier, Mrs. C. W. Bassett, Black Beauty, Perle de Lyon, Jeanne Charmant, Bon Ton, Mrs. Geo. Stevenson, Sylvia, Amos Perry, Susan, Souv. de Mme. Moreau, Mas. Lumier, Arabella, Kreimhilde, Fire Rain, Mrs. Hartong, Mrs. Geo. Cassatt, Flora, Mrs. Chas. L. Seybold, Baronne Schroeder, C. W. Bruton, Mad. Van den Dael, Wm. Agnew, Lucy Fawcett, A. D. Livoni.

The center table was covered with boards in pyramid shape, pot flats 18 by 24 inches were filled with moss, and short-stem dahlias were inserted in them, one variety in a flat; these were then set edgewise on the staging, which required 120 boxes to cover it.

On the opposite side of the center a slanting staging was covered with flats filled with moss and flowers, making a solid bank 64 feet long and 6 feet high. A 12-foot space was covered with Delice as a ground in which was a cornucopia of Golden West, followed by a photograph of four of the presidential candidates each in a frame of dahlias 5x6 feet. President Taft was surrounded by Souv. de Gustave Duzon, Wilson by Cuban Giant, Roosevelt by Mrs. Roosevelt, Chafin by Grand Duke Alexis. These were followed by blocks of the same size, of pompon dahlias, in which were circular beds each four feet in diameter, featuring special kinds, finishing with another 12 foot space of Jack Rose surrounding a cornucopia of Master Carl, altogether making a magnificent and much admired arrangement, requiring about 10,000 flowers to complete.

A 12 by 6 foot design contained a life-size bust photograph of the senior member of the firm surrounded by Camelliaflora in a maltese cross effect filled in with Jack Rose, making a frame 5 feet wide, at each side of which were panels 18 inches wide of Kreimhilde and Professor Mansfield.

In the field there are about 35 acres of dahlias and 15 acres of cannas all looking in the best of shape, with every prospect of a splendid crop of roots. The geranium stock houses of standard varieties have all been replanted, requiring nearly 130,000 plants, which are ready to commence cutting and should furnish an enormous amount of cuttings, which are potted directly from the stock into 2-inch pots.

AN ASTER FLOAT.



Herewith is an illustration of James Vick's Sons' float in the Rochester Centennial Parade on Monday, September 9th. It was pronounced by every one to be the most beautiful float in the parade. The float was made up entirely of aster blooms, taking over twenty thousand of them. A huge bouquet arranged in a large basket containing over ten thousand asters occupied the rear of the float. The bouquet was nine feet in height from the bottom of the basket to the

top of the handle and about eight feet in width. Smaller bouquets were tastily arranged around the float, with a group of young ladies and children seated in the center, each one carrying a large bunch of asters.

The float was drawn by six black horses, each led by a page wearing a streamer with the word "Vick" on it in purple. The horses wore white blankets bordered with purple asters and the word "Vick" in the center also made of purple asters.

NATIONAL FLOWER SHOW, NEW YORK, 1913.

John Young, manager of the trade exhibition to be held in connection with the National Flower Show next spring, reports the following as having already taken exhibition space:

	Space contract.
Peter Henderson & Co., New York	\$1000
A. N. Pierson, Inc., Cromwell, Conn.	600
Revere Rubber Co., Boston, Mass.	325
W. E. Marshall & Co., New York	220
John Lewis Childs, Floral Park, N. Y.	200
The Weathered Co., Jersey City, N. J.	270
Hitchings & Co., Elizabeth, N. J.	300
Reed & Keller, New York	300

Work on the official program is actively progressing. Among those

Co., New York; Revere Rubber Co., Boston, Mass.; The Florists' Exchange, New York; Aphine Mfg. Co., Madison, N. J.; W. Atlee Burpee & Co., Philadelphia, Pa.; R. & J. Farquhar & Co., Boston, Mass.; Henry A. Dreer, Inc., Philadelphia, Pa.; Traendly & Schenck, New York; Phil. F. Kessler, New York.

Applications for space in the exhibition, or for advertising space in the official program, should be made to John Young, 54 West 28th St., New York City.

J. H. PEPPER,
Chairman Publicity Committee.

PHILADELPHIA NOTES.

The new Metaloid finish on baskets from the "House of Rice" promises to outrival the famous Antique Blue, made so popular by that firm. Scarcely an order for baskets is received unless it includes this beautiful new color scheme.

Michell's Dahlia Show was the largest ever given in their establishment. Hundreds of vases occupied the large exhibition tables. Competition in the different classes was very keen and some splendid specimens were shown. Prize winners were: Wm. Robertson, Wm. Fowler, R. Greinberg, R. J. Morrow, Robert Schneider, Peter McGrath, H. Field and Chris Borgholt. A silver medal was awarded to Miss Fanny Foster for a new seedling cactus dahlia. Philip Freud deserves great credit for an artistic arrangement of flowers and show window. A number of trade growers also sent flowers to help out the general effect.

A correspondent in England advises us that reports of recent heavy rains in that country have not been exaggerated. In some places the hay was washed over the hedges and large sections were under water. The situation has improved much of late, however.



For full information, schedules, space for trade exhibits, etc., write to: John Young, Secretary and Manager for Trade Exhibition, 54 W. 28th St., New York City.

who have taken pages in the book are Peter Henderson & Co., New York; Arthur T. Boddington, New York; Charles H. Totty, Madison, N. J.; Lord & Burnham, Irvington, N. Y.; Hitchings & Co., Elizabeth, N. J.; Breck & Sons, Boston, Mass.; Benjamin Hammond, Fishkill-on-Hudson, N. Y.; Welch Bros., Boston, Mass.; Henshaw & Fenrich, New York; W. F. Kasting, Buffalo, N. Y.; N. F. McCarthy & Co., Boston, Mass.; New York Cut Flower

PLANT QUARANTINE RULES AND REGULATIONS.

Following are the complete rules and regulations for carrying out the plant quarantine act as compiled by the Federal Horticultural Board and adopted by the Department of Agriculture:

Regulation 1. Short Title of the Act.
The act "To regulate the importation of nursery stock and other plants and plant products; to enable the Secretary of Agriculture to establish and maintain quarantine districts for plant diseases and insect pests; to permit and regulate the movement of fruits, plants and vegetables therefrom, and for other purposes," approved August 20, 1912, shall be known and referred to as "The Plant Quarantine Act, August 20, 1912."

Regulation 2. Definition.

For the purpose of this act the term "nursery stock" includes all field-grown florists' stock, trees, shrubs, vines, cuttings, grafts, scions, buds, fruit pits, and other seeds of fruit and ornamental trees or shrubs, and other plants and plant products for propagation, except field, vegetable and flower seeds, bedding plants and other herbaceous plants, bulbs and roots.

All woody plants and parts thereof for propagation or planting are included within the term "nursery stock" as used in this act.

"Field-grown florists' stock" is all florists' stock which is usually grown outside of greenhouses for all or part of the year, such as azaleas, bay trees, araucarias, box, etc.

Regulation 3. Applications for Permits for Importation of Nursery Stock.

Persons contemplating the importation by mail, express, freight, or other form of transportation, of nursery stock as defined in this act from any part of the world will first make application to the Secretary of Agriculture for a permit, stating in the application the general nature and quantity of the nursery stock, the district or locality where grown, the name and address of the exporter, together with the name and address of the importer in the United States, and the proposed port of entry.

By "general nature" is meant the class or type of stocks, as fruit trees, fruit-tree stocks, etc., as specified in the official form of permit.

Applications for permits should be made in advance of the shipment of the nursery stock, but if through no fault of the importer stock shall arrive before the issue of a permit the stock will be held in customs custody at the risk and expense of the importer for a period not exceeding 10 days pending the issue of a permit.

Applications for permits should contain the following information:

APPLICATION FOR PERMIT TO IMPORT NURSERY STOCK.

To the Federal Horticultural Board, Washington, D. C.

A permit is requested for the importation of nursery stock from the firm of _____, in the district or locality and country of _____, for the shipping season of _____, as follows:

Quantity.	General nature.
.....	Fruit trees.
.....	Fruit-tree stocks.
.....	Grapevines.
.....	Bush fruits.
.....	Roses.
.....	Rose stocks.

.....	Forest and ornamental deciduous trees.
.....	Ornamental deciduous shrubs.
.....	Coniferous trees other than pines.
.....	Pines—species should be named.
.....	Evergreen trees other than conifers.
.....	Evergreen shrubs other than conifers.
.....	Field-grown florists' stock not otherwise listed.
.....	Stocks, cuttings, or seedlings not otherwise listed.
.....	Name and address of shipper.
.....	Port of entry.
.....	Name of importer.

Regulation 4. Delivery in Bond. (Section 1.)

If the required permit be not at hand at the time of the arrival of the nursery stock, the latter may be delivered to the importer, consignee or agent for the proper care thereof upon the filing of a voluntary bond with approved sureties in double the invoice value of the property (the amount of the bond in no case to be less than \$10) conditioned upon the redelivery thereof to the collector within 10 days from the date of arrival and providing that the same shall not be removed from the port of arrival within such period or until the presentation of the proper permit; or, if the importer, consignee, or agent shall so elect, the goods may be retained in the custody of the officer of the customs pending the issuance of the permit, wholly at the expense of the importer.

Regulation 5. Permits for Entry of Nursery Stock. (Section 1.)

On approval by the Secretary of Agriculture of an application for the importation of nursery stock from countries which maintain nursery stock inspection a permit will be issued in triplicate. One copy of the permit will be furnished to the applicant, one copy will be mailed to the collector at the port of entry, and the third filed with the application. Permits will expire on the 30th day of June of the year following the date of issue. They will be in the following form:

This permit expires June 30, 191—. No. —
UNITED STATES DEPARTMENT OF AGRICULTURE,
FEDERAL HORTICULTURAL BOARD,
WASHINGTON, D. C.
PERMIT TO IMPORT NURSERY STOCK.
....., 191..

To the Collector of Customs:

Sir: You are hereby authorized, so far as the jurisdiction of the Department of Agriculture is concerned, to permit the importation under "The Plant Quarantine Act, August 20, 1912," of the nursery stock specified in the application of _____, dated _____, described herein, provided each shipment is accompanied by the certificate of inspection and the shipper's declaration certified by an American consular officer in conformity with the rules and regulations made for the enforcement of the act.

Quantity.	General nature.
.....	Fruit trees.
.....	Fruit-tree stocks.
.....	Grape vines.
.....	Bush fruits.
.....	Roses.
.....	Rose stocks.
.....	Forest and ornamental deciduous trees.
.....	Ornamental deciduous shrubs.
.....	Coniferous trees other than pines.
.....	Pines—species.
.....	Evergreen trees other than conifers.
.....	Evergreen shrubs other than conifers.
.....	Field-grown florists' stock not otherwise listed.
.....	Stocks, cuttings, or seedlings not otherwise listed.

Name and address of exporter.....

Name and address of importer.....

Respectfully,
JAMES WILSON,
Secretary of Agriculture.

Countersigned:

Executive Officer.

Permits for the entry of nursery stock from countries which do not maintain official nursery stock inspection will be addressed to the collector of customs in the following form:

To the Collector of Customs:

You are hereby authorized, so far as the jurisdiction of the Department of Agriculture is concerned, to permit the importation under "The Plant Quarantine Act, August 20, 1912," of the nursery stock specified in the application of _____, dated _____, described herein, only upon receipt of notice in writing from an inspector of the Department of Agriculture that the nursery stock has been inspected by him or under his direction at the port of arrival and was found or believed to be free from injurious plant diseases and insect pests.

(See Regulation 6 for the ports at which entry of nursery stock from countries having no official system of nursery inspection is allowed.)

Regulation 6. Entry of Nursery Stock. (Section 1.)

Entry of nursery stock will not be allowed unless accompanied by a certificate issued by a duly authorized official of the country from which it is shipped, stating that it has been thoroughly inspected by him or under his direction and was found, or believed to be free from injurious plant diseases and insect pests: Provided, That for stock to be shipped between October 1 and May 31 such inspection shall be made on or after the 1st of October and for stock shipped during the growing season inspection shall be made not more than 30 days prior to date of shipment: Provided further, That until July 1, 1913, the usual inspection certificate covering the previous growing season will be accepted: And provided further, That when the country from which any nursery stock is shipped maintains no official inspection, articles for which a permit has been issued will be admitted only through the ports of New York, San Francisco, Seattle, Jacksonville, and New Orleans, after examination by inspectors of the Department of Agriculture at the port of arrival, if found to be free from plant disease and insect pests.

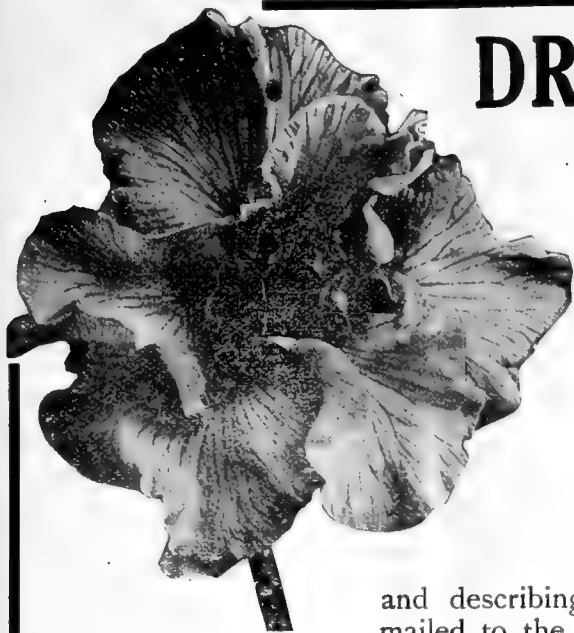
Collectors of customs will be notified from time to time, through the Secretary of the Treasury, of the countries which maintain official nursery stock inspection.

Entry will not be allowed unless the case, box or other container or covering is plainly and correctly marked to show the number of permit, the general nature and quantity of the contents, the district or locality and country where grown, the name and address of the exporter, and the name and address of the importer.

Nursery stock offered for importation without compliance with these regulations will be refused admission. Nursery stock inspected as provided herein, which is found to be carrying dangerous insects or plant diseases may be treated or destroyed, as circumstances require.

Regulation 7. Foreign Certificate of Inspection. (Section 1.)

Certificates of inspection will be ac-



DREER SPECIALTIES

Dreer's Imperial Japanese Iris

Dreer's Select German Iris

**Dreer's Unrivalled Hardy
Perennial Phlox**

**Dreer's Choice Herbaceous
Paeonies**

The above are leaders in our Perennial Department and now is the time to secure your supplies for the coming season. **Special Circulars** offering and describing complete lists of the above have recently been mailed to the trade. If you have not received a copy and are interested, write us.

We are acknowledged as headquarters for Hardy Perennials and our Current Wholesale List describes and offers everything in this line worth growing.

HENRY A. DREER, Inc.

714 Chestnut Street

PHILADELPHIA, PA.

cepted if countersigned by duly authorized officials of foreign countries or their agents. On and after July 1, 1913, certificates shall give the date of inspection, name of the grower, the district or locality, and country where grown; a statement that the stock has been inspected by a duly authorized official and found, or believed to be, free from dangerous insects and plant diseases, and shall bear the name of the responsible inspection official for the country of origin.

Lists of officials in foreign countries authorized to inspect nursery stock, giving their names and official designations, will be furnished to collectors of customs through the Secretary of the Treasury.

Regulation 8. Notice of Shipment by Importers.

(Sections 2 and 5.)

Immediately upon the entry and before removal from the port of entry of shipments of nursery stock the person receiving the stock shall notify the Secretary of Agriculture, in writing, stating the number of permit, the general nature, age or height, and quantity of the nursery stock, the country and locality where grown, the date of entry, and the name and address of each of the consignees to whom it is proposed to forward the nursery stock, together with the probable date of delivery for transportation.

At the same time, a copy of the notice to the Secretary of Agriculture shall be sent to the duly authorized inspector or other officer of the State, Territory or District to which the nursery stock is to be shipped. Lists of such officers may be obtained on ap-

plication to the Federal Horticultural Board, Washington, D. C.

Regulation 9. Declaration. (Section 1.)

On and after December 1, 1912, all shipments of nursery stock to the United States from countries which maintain an official system of nursery stock inspection shall be accompanied by a declaration of the shipper, produced before an American consular officer, as follows:

I,, the undersigned, do solemnly and truly declare that I am the of the stock herein mentioned and described, and that it consists of nursery stock which I believe to contain no injurious plant diseases or insect pests.

This stock was grown in (district or locality and country.) by (Name.) during the past growing season and is exported from (City.) and consigned to (City.)

The marks on the packages are true and this nursery stock was inspected on (Date.) by (Name of inspector.) and believed by him to be free from injurious plant diseases and insect pests. This shipment is offered under permit No., issued by the Secretary of Agriculture, (Month.) (Day.) (Year.) (Shipper.)

I,, consul of the United States of America at certify that the above declaration was produced before me on 191.... Given under my hand and the seal of this consulate the day and year above written.

American Consul.

On and after December 1, 1912, consular invoices covering shipments of

nursery stock to the United States shall bear the number of the permit issued by the Secretary of Agriculture and have attached to them the shipper's declaration, duly certified as described herein.

Regulation 10. Hearings. Sections 5, 7 and 8.)

When the Secretary of Agriculture, in the exercise of his discretion, contemplates the restriction of the importation of plants and plant products not included within the term "nursery stock" as used in this act, or the prohibition of the importation of nursery stock and other plants and plant products from any foreign country, or the prohibition or restriction of the shipment of nursery stock and other plants and plant products from one State, Territory or District of the United States to another State or territory, or District, he will give a public hearing to interested parties, who may appear either in person or by attorney, and give evidence or be heard respecting the subject of the hearing. Due notice of the hearing will be given by publication or otherwise as may be deemed appropriate by the Secretary of Agriculture. Notices will contain a statement of the action which is contemplated by the Secretary of Agriculture, and will state the time and place of the hearing.

Regulation 11. Marking of Packages. (Section 3.)

Packages containing nursery stock which arrive not marked according to the law will not be delivered until they shall have been so marked under customs supervision and at the expense of the importers. (See also paragraph 2, Regulation 6.)

Clubs and Societies

FLORISTS' CLUB OF WASHINGTON.

Considerable discussion was given to the origin of various roses which play such a prominent part in the everyday business of florists at the October meeting of this club on Tuesday evening last. It was announced that Robert Pyle would deliver a lecture on "Rose Growing in Europe" before the club on Tuesday evening, October 8. The entertainment committee will have charge of this affair. The assembly hall of the Business High School, which has a seating capacity of 1500, has been procured and a like number of invitations will be sent out to members of the club, their friends, and many of the teachers and others interested in horticulture and botany.

Z. D. Blackstone, William F. Gude and George Cooke were appointed members of the publicity committee formed upon recommendation of the New York Club. One of the members of this committee will be designated to represent the club at meetings of the general committee.

At this meeting also there was presented to the club a handsomely engraved set of resolutions by the Gardeners' and Florists' Club of Baltimore, in memory of the late William R. Smith of Washington.

Announcement was made that the club's bowling team had begun its fall schedules and would participate in the games of the District League. Practice is held every Monday evening at Eighth and E streets, N. W., in the Rathskellar Alleys. A committee composed of Messrs. Hammer, Ernest, Lewis, Dalglish, Berry and Shaffer was appointed to cooperate with the team which will go to the convention next year to uphold the honors of this city.

The by-laws committee rendered its report containing numerous proposed amendments. Alfred Heitmuller of the Centre Market was unanimously elected to membership.

FLORISTS' CLUB OF PHILADELPHIA.

The October monthly meeting was held on the 1st inst. Two features of importance brought out a good attendance—the annual election of officers, and the illustrated lecture by Richard Vincent, Jr. The former resulted in the reappointment of the old personnel: J. Otto Thilow, president; David Rust, secretary; George Craig, treasurer. Mr. Vincent's lecture was of enrapturing interest, and carried the audience with tongue and picture not only through the great International Show in London but all over Europe. Mr. Vincent is a ready talker and with his running fire of joke and comment on his experiences of the trip kept his listeners up to a high point in enjoyment—as well as bringing out the salient instructive points. It was almost as good as having been at the show ourselves, and was certainly hugely enjoyed.

CONNECTICUT HORTICULTURAL SOCIETY.

Our second September meeting was held on the 27th ult., and was largely spent in discussion of methods of inducing greater public interest in our

exhibitions. When the figures were produced, it was found that only 850 people attended the recent excellent dahlia show.

A. N. Pierson, Inc., of Cromwell, sent to this meeting a grand vase of his new rose, Milady, a cross of J. B. Clark and Richmond. R. T. Beers, a late graduate of Amherst, and now employed by Mr. Pierson, gave a brief outline of the history of this rose. A first class certificate was awarded to Mr. Pierson.

Six new members were elected, as follows: Arthur Perkins, Samuel H. Deming and Edward C. Swan of Hartford; B. F. White, Terryville; George H. Walker, North Dighton, Mass.; W. E. Hathaway, New Bedford, Mass.

GEORGE W. SMITH, Sec.

The next exhibition of the Massachusetts Horticultural Society will be devoted exclusively to fruits and vegetables and will be held at Horticultural Hall, Boston, Friday, Saturday and Sunday, October 4, 5 and 6. To many people an exhibit of this kind is fully as interesting as one of flowers and plants, and affords an opportunity to view the products of New England's orchards and vegetable gardens and to see the perfection attained in the cultivation of these two important branches of the horticulturist's art. Apples of nearly every known variety suitable for cultivation in this section of the country will be shown, as well as pears, peaches, plums and grapes. The schedule for vegetables is unusually complete, 150 prizes being offered in this class alone. The exhibition is free and will be open Friday from 12 M. to 6 P. M.; Saturday, from 10 A. M. to 10 P. M.; and Sunday, from 2 to 6 P. M.

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California Privet

Any quantity, size and age. No better grown. Shade and ornamental Trees. Shrubs and Vines. Full line of Fruit Trees and Plants.

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SPECIALS

ANPARAGUS HATCHERII.....	100
CALLAS in bloom, 5 in. and 6 in. pots.	\$7.50
DAISIES, QUEEN ALEXANDRA, 4 in.	17.50
WINTER-FLOWERING MYOSOTIS, started from cuttings, 4 in.	7.50
SPRENGERII, 2 1/2 in.	2.25
HATCHERII SEED, 1000.	7.50

WM. EHMANN, Corfu, N. Y.

VIOLETS GOV. HERRICK

Field Grown Clumps.

\$6 per 100; \$50 per 1000

Charles H. Totty

Madison, N. J.

POINSETTIAS

For Immediate Delivery

We will have a fine lot ready early in July. Extra Strong 2 1/2-in. pot plants, \$5.50 per 100, \$50.00 per 1000. Strong 2 1/2-in. \$5.00 per 100, \$45.00 per 1000.

A. HENDERSON & CO.
352 N. Michigan Ave. CHICAGO

ROSES

From 3-inch pots—strong, own root.

Lady Millington, fine stock, Grafted. \$25.00 per 100; Own Root, \$15.00 per 100.

Double Pink Killarney, Radlance, Mrs. Taft, Mrs. Wardell, My Maryland, Harry Kirk, \$10.00 per 100.

Pink Killarney, White Killarney, Kaiserin Augusta Victoria, Richmond, Perle, Sunrise, Sunset, American Beauty, \$8.00 per 100.

Bride, Bridesmaid, Bon Silene, La France, Gruss an Teplitz, Clothilde Souper, Souvenir de Wootton, \$7.00 per 100; \$60.00 per 1000.

Grafted, 3-inch pots.

Mrs. Taft, Pink Killarney, Maryland, Mrs. Wardell, Kaiserin, Bride, Bridesmaid, \$15.00 per 100.

Wood Brothers
FISHKILL, N. Y.

PLANTERS AMATEURS NURSEYMEN

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ILLUSTRATED CATALOGUE OF

Furst's Nurseries
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Nursery Stock

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens and Roses.

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General Landscape Construction, Road Building,

Drainage Systems, Water Supply, Planting.

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Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 216 Jano St. Weehawken Heights
P. O. No. 1, Hoboken, N. J.

BEST PALMS

All Varieties. All Sizes.
Send for Price List.

Joseph Heacock
Wyncote, Pa.

THE GREAT TEST EXHIBITING IN COMPETITION

JOHN WATERER & SONS, LIM'D.
**AMERICAN NURSERIES, BAGSHOT, SURREY,
ENGLAND**

were awarded Premier Prizes and Gold Medals at the International Horticultural Show in London, in all the classes in which they were exhibiting, viz:—

TWO GOLD MEDALS FOR RHODODENDRONS
TWO SILVER CUPS “ “
THREE GOLD MEDALS FOR CONIFERS
ONE “ “ “ “ HOLLIES
THE BELGIAN TROPHY FOR SPECIMEN EVERGREENS
ONE GOLD MEDAL FOR JAPANESE MAPLES

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse
Products for Florists

**PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS
PLANTS, EVERGREENS, ROSES, RHODODENDRONS,
VINES AND CLIMBERS, AUTUMN BULBS
AND ROOTS, CONIFERS, PINES**

Florists are always welcome visitors to our Nurseries. We are only a few minutes from New York City; Carlton Hill Station is the second stop on Main Line of Erie Railroad.

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Nurserymen and Florists

Rutherford, N. J.



W. B. WHITTIER & CO.,
SOUTH FRAMINGHAM . . MASS.
GROWERS OF HIGH GRADE NURSERY STOCK
LARGE ASSORTMENT
WRITE FOR PRICES BEFORE ORDERING ELSEWHERE

GOODSELL'S GRASSES SELL GOOD

For autumn sowing and exceptional results few equal. *Quality and prices beyond comparison. Get down to the turf*

Write for List and Reserve Your Order

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200 Broadway, NEW YORK CITY

Bulbs for Forcing

BEDDING AND NATURALIZING. We have made arrangements with the leading growers to have our bulbs specially selected.

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HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and Descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

SHADE TREE BARGAINS

Carolina Poplar

Straight and Smooth

6 to 8 feet high	@ 8 c each
8 to 10 feet high	@ 10c each
10 to 12 feet high	@ 12c each
12 to 14 feet high	@ 14c each

Lombardy Poplar

Same Size and Price

Catalpa Speciosa

6 to 8 feet high	@ 10c each
8 to 10 feet high	@ 12c each
10 to 12 feet high	@ 14c each

Ready to ship now. Cash with order

Lancaster County Nurseries

R. F. D. No. 7, Lancaster, Pa.

STUART LOW & CO.

Bush Hill Park Nursery
ENFIELD, ENGLAND

Do you want British Grown
ROSES, FRUIT TREES, pot
grown and field grown **GRAPE**
VINES, ORCHIDS, PALMS,
NEW PLANTS, etc.?

Write 'till Middle of October to

H. A. BARNARD

Hotel Albert, New York City

Seed Trade

Sam Sibley.

The gentleman whose portrait appears herewith needs no introduction to the seed trade of America. Mr. Sibley is one of the best known and most successful seed salesmen in active life today; he is deservedly popular and wherever he shows up he finds the glad hand. He has been connected



SAM M. SIBLEY

with the seed trade for many years and, as everybody knows, has been representing the Leonard Seed Co. of Chicago for a large part of the time. Mr. Sibley hails from Baltimore but, as with all traveling salesmen his domicile is "where he hangs his hat." Long may he wave!

Notes.

Fremont, Mich.—J. J. Funk, seedsman, is building a new store 20 x 120.

Metcalfe, Ill.—H. G. Epps is erecting a seed house 40 x 50 feet on land just south of town.

James Brand, late manager for Arthur S. Ritchie & Co., Belfast, Ireland, is opening a seed house on his own account at Kerrisdale, Vancouver, B. C.

Sioux City, Ia.—J. S. Michael, seedsman, is putting up a new building 25 x 150, two stories and basement at 319 Pearl street. The cost will be approximately \$15,000.

Realizing the necessity of producing seeds of the highest types and the importance of planting seeds on grounds in localities where crops are a certainty, The California Seed Growers' Association, Inc., have associated with them responsible growers of long experience, including such well-known men as D. G. Fisher, of Coyote; Ramelli Bros., of Hollister; J. R. Freitas, of Edenvale, whose experience dates back to Hugh Agnew; Ah Lock, a Chinese of over twenty years' experience, who learned his lesson under Major Braslan. These growers own their seed lands. Their association with the company will be permanent.

PUBLICATIONS RECEIVED.

American Seed Trade Association. Proceedings of the Thirtieth Annual Convention held at Chicago, June 25-27, 1912. An excellent portrait of President Leonard H. Vaughan forms the frontispiece.

Massachusetts Horticultural Society. Transactions for the year 1912: Part 1. This issue contains the full text of the various papers and discussions for the lecture season, January to March inclusive, 1912.

American Association of Nurserymen. Proceedings of the Thirty-Seventh Annual Convention, held at Boston, Mass., June 12, 13 and 14, 1912. An interesting report of a very enjoyable and instructive meeting.

Oregon State Horticultural Society. Proceedings of the Twenty-sixth Annual Meeting held Nov. 15-17, 1911, at Portland, Oregon; 142 pages of interesting reading on leading topics of Pacific coast horticultural development.

The Artificial Use of the Brown-Tail Fungus in Massachusetts. A valuable state document by A. T. Speare and R. H. Colley under the direction of F. W. Rane, State Forester for Massachusetts. Practical suggestions for private experiment with this means of controlling the moth pest are added, also a brief note on a fungous disease of the gypsy caterpillar.

The Canadian Seed Growers' Association and its work. This is a very valuable publication edited by the Secretary of the Association, L. H. Newman of Ottawa. The process of producing "Elite Stock Seed," standards of quality and purity for "Registered Seed," lists of reference on the work of seed growing, plant improvement, etc., are among the topics treated and every seedsman can find in it much that is helpful and enlightening.

CATALOGUES RECEIVED.

Overbrook Gardens, Overbrook, Pa., and Strafford Flower Farms, Strafford, Pa.—Bulbs for Fall Planting, 1912. Not very big, as catalogues go, but very clever; compact and well-written.

W. W. Barnard Company, Chicago, Ill.—Wholesale Price-List of Bulbs and Seeds for Fall Planting, 1912. A valuable list for florists' perusal. Includes sundries, supplies and holiday material.

Bloodgood Nurseries, Flushing, N. Y.—Price List for Autumn, 1912, and Spring, 1913. Bloodgood Nurseries is a department of the American Nursery Co. This list gives quotations for nurserymen and dealers only.

Royal Tottenham Nurseries, Ltd., Dedernsvaart, Holland.—Wholesale Trade-List of Hardy Perennials. McHutchison & Co., New York, are American representatives of this firm.

Colorado Seed & Nursery Co., Denver, Colo.—Bulbs for Fall Planting. Bulb flowers in natural colors are effectively shown on the outside cover pages.

Churchville, Pa.—The report we received regarding the purchase of the Charles E. Meehan place was somewhat inaccurate. This plant was purchased by Fred Chesky and has 68,000 feet of glass. The property comprises about 50 acres.

Our Introduction for 1913

The New Clear Scarlet Bedding Geranium

"HELEN MICHELL"

ITS MERITS:

1. The **Finest Scarlet** Geranium ever introduced.
2. The **only** scarlet variety, which blooms all summer.
3. The **largest** truss and single bloom of any.
4. Is semi-double, compact and medium dwarf.
5. Has **most** blooms to a single plant.
6. The **best** Propagator of all.
7. Stands all kinds of weather.
8. Blooms early and continuous.

ALL IN ALL

THE BEST MONEY-MAKER FOR THE FLORIST.

Orders booked now are filled in rotation as received from January 1913 onward.

2 1/4 inch pots, \$2.50 doz.; \$15.00 per 100; \$125.00 per 1000

\$50.00 IN GOLD WE OFFER as a prize for the best 4-in. pot of "Helen Michell" to be competed for at the National Flower Show, at New York, April, 1913.

MICHELL'S SEED HOUSE
518 Market Street, Phila., Pa.

QUALITY SEED BULBS PLANTS

SEND FOR CATALOGUE.

ARTHUR T. BODDINGTON
342 West 14th St., New York.

BULBS

Dutch and French
Ready Now

O. V. ZANGEN, Hoboken, N. J.

BULBS

For Fall Planting

Price List for the Asking

The W. W. Barnard Co.

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POULTRY and FRUIT REVIEW

A publication on the farm journal that reviews all poultry and fruit papers in United States, will be sent on trial one year to all who send 16 cents, to pay wrapping and postage, and names of three fruit or poultry raisers.

THE REX COMPANY

HARRISBURG, PA.

Birmingham, Ala.—The capital stock of the Birmingham Nurseries Co. has been increased to \$30,000. This company absorbed the Birmingham Landscape & Nursery Co. and will, in addition to a nursery business, engage in landscape work. They have 13 acres of land and four houses in the city and 294 acres at Argo, Alabama.

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*Thorburn's
Bulbs*

WE have several items of particular interest to Florists at this time. Here are three:

A fine assortment of bulbs including: Purity Freesias, Roman Hyacinths, Paper White Narcissus, Harrisii Lilies, etc. at the right prices.

Our new crop of the famous Berglinden Strain Cyclamen Seed is ready for delivery.

Also fresh seed of Kentia Belmoreana is just received which may be had at the following prices: 75c. per hundred: \$6.00 per thousand.

We can make immediate shipment of any of above. Have you received a copy of our new Bulb Catalog for Florists?

We want you to have one with prices. Write today.

J. M. THORBURN & CO.

110 years in business in New York City

33 Barclay Street, New York

TOMATO SEED

BEST STOCKS. ALL VARIETIES.

The Haven Seed Co.

Growers for Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

POINSETTIAS 2 1-2 in. strong, \$5 per 100; \$45 per 1000

CYCLAMEN SEED the celebrated English strain, \$9 per 1000

PANSY SEED, home-grown, finest giant strain, \$5 per oz.

Send for Catalogue.

S. S. SKIDELSKY & CO.

1215 Betz Bldg. Philadelphia.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulas, &c.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.



...THE...

J. C. Robinson Seed Co.

Waterloo, Neb.
Rocky Ford, Colo.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar, Flint and Field Seed Corns.

Place Your Order Now For
**AYRES' WINTER FLOWERING
SWEET PEA SEED**

For Fall Delivery

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

Sunnyslope

Independence, Mo.

J. BOLGIANO & SON

WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

Write For Our Low Prices

LIGHT, PRATT and ELLICOTT STS.
BALTIMORE, MD.

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MASTICA

We are the Boston Agents

Joseph Breck & Sons Corp.

47-54 No Market St., BOSTON, MASS.

PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds }

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO
ONION SETS
Write for Prices

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

Fall Bulbs Selling Fast

Still have stock of all late and a few early varieties.

Special Prices.

FREESIA REFRACTA ALBA.

Extra Large, \$0.75 per hundred, \$6.75 per thousand.
Mammoth Bulbs, \$1.00 per hundred, \$9.00 per thousand.

LILIUM HARRISII, 6-7 inches, \$0.75 per dozen, \$3.50 per hundred.
For Florists and Dealers Only.

Mention this Ad.

JAMES VICK'S SONS
ROCHESTER, N. Y.

Double Narcissus Von Sion

Extra Selected 5½-6½ circum.
\$13.00 per thousand

WEEBER & DON

Seed Merchants and Growers,
114 Chambers Street, New York City

Oklahoma Seed Growers Co.

Contract Growers of

Watermelon and Muskmelon Seeds

for the Wholesale Trade only

Enid - - Oklahoma

Burpee's Seeds
PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.

PRINTING Fruitmen, Horticulturists, and Poultrymen should get their printing done by specialists. Write for prices to THE REX CO., Harrisburg, Pa.

Florists' Telegraph Delivery

(Retailers' Section—S. A. F. & O. H.)

Mutual discounts, 20 per cent.
Write for particulars to

Provision for guaranteed accounts.

ALBERT POCHELON, Secretary, 153 Bates Street, Detroit, Mich.

IRWIN BERTERMANN, Indianapolis, Pres.
W. F. GUDE, Washington, Vice-President.
W. L. ROCK, Treasurer, Kansas City.

OTHER DIRECTORS:

Ernst Wienhoeber, Philip Breitmeyer, A. B. Cartledge, George Asmus, Fred H. Meinhardt, J. A. Valentine.

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Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery Association.

WILLIAM J. SMYTH

Cor. Michigan Ave. and 31st St.,
CHICAGO, ILL.

(Member Florists' Telegraph Delivery Asso.)
We ship to all points in Illinois and Iowa.
Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

Member of the Florists' Telegraph Delivery.
All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE

Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

GEORGE M. STUMPP

761 Fifth Ave., Cor. E 58th St.

NEW YORK CITY

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Asso.

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

Of Interest to Retail Florists

St. Paul, Minn.—L. L. May & Co. have moved their retail store from 64 East 6th street to 5th and Minnesota streets.

Kansas City, Mo. — Sam Murray is adding a spacious balcony to his flower store, for use as a basket room, and when all is completed will have one of the finest florist establishments in the country.

Cedar Rapids, Iowa—M. S. Crozer states that the year has been a very successful one and that he expects to add a new conservatory to his store equipment in the spring. His father, who has been rather out of health, is now gaining nicely and able to attend to his store duties.

STEAMER DEPARTURES

Allan.

Parisian, Boston-Glasgow...Oct. 11

American.

New York, N. Y.-Shampton...Oct. 12

Atlantic Transport.

Minneapolis, N. Y.-London...Oct. 12

Cunard.

Lusitania, N. Y.-Liverpool...Oct. 9

Laconia, Boston-Liverpool...Oct. 15

Hamburg-American.

Victoria Luise, N. Y.-Hamb'g...Oct. 10

Pres. Lincoln, N. Y.-Hamb'g...Oct. 12

Amerika, N. Y.-Hamburg...Oct. 17

Holland-America.

Noordam, N. Y.-Rotterdam...Oct. 8

Ryndam, N. Y.-Rotterdam...Oct. 15

Leyland.

Devonian, Boston-Liverpool...Oct. 12

North German Lloyd.

Kronp. Cecille, N. Y.-Bremen...Oct. 8

Kronp. Wilhelm, N. Y.-B'm'n...Oct. 15

G. Kurfuerst, N. Y.-Bremen...Oct. 17

Red Star.

Kroonland, N. Y.-Antwerp...Oct. 12

White Star.

Cymric, Boston-Liverpool...Oct. 8

Celtic, N. Y.-Liverpool...Oct. 10

Oceanic, N. Y.-Southampton...Oct. 12

Adriatic, N. Y.-Liverpool...Oct. 17

NEW FLOWER STORES.

Rockford, Ill.—John Bergstrom, 507 Seventh street.

Fort Wayne, Ind.—Miss Doswell, 238 Main street, W.

St. Louis, Mo.—F. J. Foster, Delmar and Kingshighway.

Chicago, Ill. — North Shore Floral Co., 6566 Sheridan road.

Washington, D. C.—O. A. C. Oehmler, 1329 G street, N. W.

Montgomery, Ala.—Morning View Floral Co., 121 Dexter Avenue.

Venice, Calif. — Walter Armacost, branch of his Ocean Park store.

Rockford, Ill.—John Bergstrom, formerly with H. W. Buckbee, is opening a store at 507 Seventh street, to be known as the Bergman Floral Co.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Cost of Cabling Foreign Deliveries
Must be Prepaid

Reference or cash must accompany all orders from unknown correspondents.

Cable Address, ALEXCONNELL.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

BROOKLYN—NEW YORK

Wilson

3 & 5 Green Ave.
Tel. 6800 Prospect

337-347 Green Av.
Tel. 3908 Prospect

THE ROSERY

76 MAIDEN LANE

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

Hatcher

Estab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

Established 1871

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers and all correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardspier.

LOUISVILLE, KY.

JACOB SCHULZ,
550 South Fourth Ave.

Member Florists' Telegraph Delivery.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston
and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, BOSTON.

CARBONE

Member Florists' Telegraph Delivery
342 Boylston St., Boston

Vases, Garden Furniture, Art Goods and
New Designs in Tuscany Baskets for
Florists' Use, in Wholesale Department.

H. F. A. Lange

WORCESTER, - MASS.

Deliveries to all Points in New England.
125,000 square feet of glass.

FOR NEWPORT

Narragansett Pier and All Other Rhode
Island Points

Transfer Your Orders to

GIBSON BROTHERS

36 WASHINGTON SQUARE, - - - NEWPORT, R. I.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists Telegraph Delivery

Flower Deliveries in

ROCHESTER, N. Y.

Salter Bros

38 MAIN STREET, WEST.

The California Florist

JULIUS EPPSTEIN — FRANK H. FORREST

344 - 346 Geary Street, SAN FRANCISCO,
and Hotel St. Francis, CAL.

We cover the entire Pacific Coast and West
of the Rockies. Wire us your orders for
all Steamers sailing for Honolulu, Manila
and the Orient. Regular Trade Discount

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

Pelicano, Rossi & Co.
123 KEARNY ST.

PROVIDENCE, R. I.

and all T. J. JOHNSTON & CO.

New England Points 171 Weybosset Street, Providence

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 44-3

Of Interest to Retail Florists

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 76 Malden
Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Ed. MacMulkin, 194 Boylston St.
Boston—Penn, the Florist, 37-43 Brom-
field St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Phillip L. Carbone, 342 Boylston
St.

Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912
Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.

Detroit, Mich.—Florists' Telegraph De-
liveries, 153 Bates St.

Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Wash-
ington Sq.

New York—George M. Stumpp, 761 Fifth
Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St.
and Madison Ave.

Providence, R. I.—T. J. Johnston & Co.,
171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main
St., West.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

San Francisco, Cal.—The California
Florist, 344-346 Geary St.

San Francisco, Cal.—Pelicano, Rossi &
Co., 123 Kearny St.

Schenectady, N. Y.—J. C. Hatcher.

St. Paul—Holm & Olsen, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Wellesley, Mass.—Tailby.

Worcester, Mass.—H. F. A. Lange.

PERSONALS.

St. Louis visitors: R. Karlstrom,
South Orange, N. J.; Andrew Peter-
son, Hoopestown, Ill.

Boston visitors: C. B. Weathered,
New York; F. Barrington, Gloucester,
Mass.; C. W. Hoitt, Nashua, N. H.

William Wallace, formerly gardener
in Newton Centre, Mass., has been ap-
pointed superintendent of the estate
of W. D. Mandell, North Cohasset,
Mass.

G. H. Penson of Duke's Park, Somer-
ville, N. J., and Miss Ada Holland
were married on September 17 in Eng-
land and are expected to arrive short-
ly at their future home in Somerville.

Mr. J. W. Grandy and wife, of Nor-
folk, Va., visited Washington last
week on their honeymoon. The trip
took them also to Niagara Falls, To-
ronto, New York, Philadelphia and
Baltimore.

Edwin Hey, florist at Kingshighway
and Delmar avenue, St. Louis, has
closed his store and sold his fixtures.
Mr. Hey reports that he is looking for
a more desirable location and will
start again if such can be found.

F. Gomer Waterer, who has been
making a brief visit to America, sailed
for England on the Mauretania, Oct.
2. Mr. Waterer expects to return
here next spring at the time of the

BOSTON, MASS.

Penn the Florist

"Penn, The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET

TRANSFER

Your orders for flower or plant de-
livery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston



GUDE BROS. CO.
FLORISTS
1214 F ST., N.W.
WASHINGTON, D.C.

**WASHINGTON,
D. C.**

GUDE'S

Member Florists'
Telegraph Delivery.

Chicago.

A. LANGE,

25 E. MADISON ST.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - - TORONTO, ONT.

International Flower Show and will
have an exhibit of rhododendrons on
that occasion.

CINCINNATI NOTES.

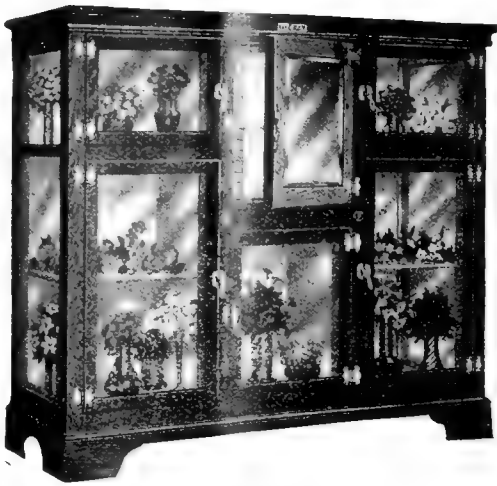
Mr. and Mrs. Chas. Hoffmeister cele-
brated their 25th wedding anniversary
on Saturday last.

Mr. and Mrs. P. J. Olinger enter-
tained Mrs. Olinger's mother, Mrs. M.
Weiland, of Evanston, Ill., at their
home in Bellevue, Ky., last week.

Chas. Gaury, of Peter Weiland's,
went home to Indianapolis, Ind., on
Saturday. He had received word to
the effect that his father was serious-
ly ill.

Jas. Caldwell, a grower who has
worked in several of the large plants
in the Middle West, was killed last
Sunday in an automobile accident near
Venice, Ohio.

Visitors: B. H. Klus, Anderson,
Ind.; and Mr. Miller, representing A.
Henderson & Co., Chicago, Ill.



SUCCESSFUL FLORISTS

all over the country are using McCray Refrigerators. The circulation of air is so strong and steady that there can be no stagnation or dampness, so that your stock will always be fresh and fragrant. Furthermore the saving in ice will more than pay for the cost.

McCray Refrigerators

will lend attractiveness to your shop. Beautifully made and finished, they are lined with white enamel, opal glass, tile, mirrors or marble, as you desire. Write today for our catalog No. 72 which will give you ideas how to add to the attractiveness of your establishment.

McCRAY REFRIGERATOR CO.

Chicago Office, 55 Wabash Ave. 553 Lake St., Kendallville, Ind. New York Office, 231 West 42nd St.

A FLORIST'S WINDOW.



On this page, this window shows an exterior view, and herewith is given an inside mirror view of the decorations this week in the show window of Saml. Murray, Kansas City, and we believe our readers all will agree that it is a beautiful and highly artistic piece of work. The window is about

10x15 feet and the picture hardly does justice to the display, as is generally true of all attempts at photographing window arrangements from outside. There are twelve pots of granges used in the decoration, bearing eighty-five large bunches in all. Black Hamburgs predominating among the varieties.

The centre feature is an especially fine and highly colored group of pine-apples.

Mr. Murray makes a specialty of growing these pot vines each year and, as with everything he undertakes to grow, gets superb results. The varieties grown this year include Black Hamburg, Black Alicante, Gros Maroc, Prince of Wales and Milton Constable and they can be held in good shape until late November. For fine table work nothing can surpass them.

A "LORRAINE" EXPERT.

We had the pleasure a few days ago of inspecting the finest lot of Lorraine begonias it has ever been our privilege to see. This was at the plant houses of A. W. Davenport at Watertown, Mass. There are about 7,000 plants altogether, and, with some Glory of Cincinnati filling four houses, plants up to 12 inch pans in unequalled vigor and beauty. These alone are worth a long trip to see, but there is a fine show of all other plants commonly grown for the florist trade, including small ferns of which Mr. Davenport disposes of 100,000 each year. Five houses with concrete walls are now being added to the range.

NEW YORK NOTES.

Anton Schultheis of College Point has two new houses in working order containing ferns and cyclamen, and his stock generally looks very promising.

Robert Jackson, foreman at P. J. Smith's 28th street store, has had the misfortune to lose his father, a veterinary surgeon of this city, who died on Sunday last.

D. Cameron, representative of Sander & Son, of St. Albans, England, has just returned from an extended European trip. He reports business prospects for the coming season to be of the best.

George Glassy, who has been for the past two years with the Stumpp & Walter Co., is now in charge of the mail order department at J. M. Thornburn & Co., with whom he was previously associated for ten years.

E. Benary lists *Primula malachoides alba* as a novelty for 1913.

Wells & Co., Morstham, Eng., have a crimson, gold reverse, sport from *chrysanthemum Polly*, which is regarded as a fine novelty.

"THE" FLORISTS' SUPPLY HOUSE OF AMERICA

Be Ready for the Home Comers

Your customers will be embellishing their homes with fresh Palms, Ferns, Rubbers, and Plants of all kinds, and will want at once suitable receptacles to hold same. Be ready for them. We especially recommend that you have a good display of **Plant Holders, Vases, Baskets, etc.**

But Especially Baskets

We can supply these in all sizes from the little tumbler basket up to the big ones for ten or twelve inch pots; and in all colors from **plain willow** and **white enamel** up to the zenith which is our **New French "Greunt,"** the premium antique and the loveliest thing yet in baskets. We also recommend those other **French Novelty Baskets** with ivory finish and **flowered garlands.** These give tone and distinction to your display and are splendid sellers. Get acquainted. Send for "Our Silent Salesman."

H. BAYERSDORFER & CO.

THE FLORISTS' SUPPLY HOUSE OF AMERICA

1129 ARCH STREET - - - PHILADELPHIA, PA.

CHICAGO NOTES.

Trade Notes.

A large basket of cattleyas makes a strikingly beautiful center in the window at J. Mangel's store this week.

A. Miller of the A. Henderson Co. is assistant manager of the horticultural department of the State Fair at Springfield, Ill. This fair is one of the important events to florists in this vicinity annually and this year will be no exception.

The chrysanthemum season as usual calls for something suitable and attractive for holding the long-stemmed blooms. At the Alpha some basket vases four feet tall have just been received and the flowers have a receptacle worthy of the big windows they will occupy.

A. Henderson Co. are still getting in Dutch bulbs for their rapidly increasing business. D. D. P. Roy, well-known to the seed trade in both the east and the west, is now connected with this firm and will be another factor in making for its success.

Chicago is having the usual number of new retail stores this year. The following are the latest ones: Henry Paryzek, 1714 North avenue, Chicago; B. J. Delinke, 2349 Chicago avenue; The North Shore Floral Co. is the name of a new store just opened by B. J. Schmierer, for some time with the Geo. Wittbold Co. at Buckingham place. The store is located at 6566 Sheridan road.

Personal.

Geo. Stiles of the Stiles Floral Co., Oklahoma City, Okla., is here with his bride.

Emil Middendorf and Wm. Parpart

of the Chicago Carnation Co., left today for Florida for an indefinite stay.

D. D. Johnson has resigned his position as manager of the United Fertilizer Co., and the plant will soon be moved to Morton Grove.

Mr. and Mrs. Hess of Omaha, Neb., reached Chicago October 1st on their way home from Germany, where they went with their children five months ago. The latter will remain in the fatherland for study for some time.

Among the week's visitors were Geo. Collins, foreman for Henry Smith, Grand Rapids, Mich.; Wm. F. Kasting, Buffalo, N. Y.; John Bergstrom, Rockford, Ill.; M. S. Crozer, Cedar Rapids, Iowa, on his way home from a Canadian trip; Dan MacRorie and Angelo J. Rossi of San Francisco, Cal.

NEWS NOTES.

Poway, Cal.—George C. Tyler, formerly in business in Idaho, is starting a nursery here.

Lebanon, Ind.—The Lebanon greenhouses have purchased the Oak Hill greenhouses and will combine the two.

Gardner, Mass.—The greenhouse of M. A. Creed has been purchased by Mrs. Addie I. Colburn, who will remove it to her greenhouses at Graham and Richmond streets.

North Easton, Mass.—John McFarland has just finished changing the heating system of his houses from hot water to steam and is well pleased with its working on first trial.

The Engelmann Botanical Club of St. Louis will resume regular meetings this month. Secretary Pring will advise members of the date and place of meeting.

DURING RECESS.

Yonkers Football.

The adjoining estates of Thompson's and Greystone at Yonkers, N. Y., are keen rivals in many ways besides on the exhibition tables. A football match of unusual interest was played between teams representing the two estates, Saturday, September 28th, on the Thompson's ground. The teams were very evenly matched throughout. Ellis scoring for Greystone after 20 minutes' play in the first half of the game. No scoring took place in the second half, Greystone thus running out winners, one goal to nothing.

Chicago Florists' Club.

The first game of the bowling league of the Chicago Florists' Club took place on the 24th at 29 W. Randolph street. The following scores were recorded:

AM. BEAUTIES.		RICHMONDS.	
J. F'r's't'r, 183 176 174		J. H'b'n'r, 133 153 159	
Lazarof, 103 132 203		Rose, 146 158 166	
Krauss, 136 177 184		Farley, 183 185 162	
KILLARNEYS.		A. WARDS.	
Price, 184 147 133		Bergman, 188 117 138	
Bernice, 169 114 135		Kr'chten, 113 131 167	
Ollinger, 143 113 132		Potocka, 135 150 118	

Cook County Florists' Association.

Scores for the Cook County Florists' Association last week's games were as follows:

CARNATIONS		ROSES.	
Lorman, 117 111 91		Gaerisch, 143 122 120	
E. Gernh, 170 169 144		Walsh, 91 163 150	
Armst'g, 142 145 115		Price, 150 172 167	
Burke, 94 158 149		Beyer, 161 140 199	
A. Zech, 164 169 145		Fischer, 148 139 191	
VIOLETS.		ORCHIDS.	
A. H'b'n'r, 162 150 147		Ross, 169 146 172	
J. Gernh, 141 127 91		Graff, 122 152 233	
A. Cole, 132 116 143		Cohen, 167 148 156	
Sch, 124, 160 155 160		O. George, 136 134 104	
J. H'b'n'r, 192 129 161		J. Zech, 156 177 185	

DAHLIAS

\$1.50—\$3.00 per 100

It pays you to remember that we are Headquarters for Dahlias of superior quality. Let us supply you, when you want something better than the ordinary stock.

DOROTHY PEACOCK

\$5.00 per 100

The finest pink Dahlia on the market.

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner
12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR
FLORIST'S
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST. BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

GEORGE B. HART

WHOLESALE FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St. Cincinnati.

POEHLMANN BROS. CO.

Cut Flowers All the Year Round

33-35-37 RANDOLPH STREET,

Greenhouses, Morton Grove, Ill.

CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON October 3		CHICAGO September 24		ST. LOUIS October 1		PHILA October 1	
ROSES								
Am. Beauty, Fancy and Special....	15.00	to 25.00	20.00	to 25.00	15.00	to 40.00	20.00	to 30.00
“ “ Extra.....	10.00	to 15.00	15.00	to 20.00	.....	to 10.00	15.00	to 20.00
“ “ No. 1.....	6.00	to 8.00	10.00	to 15.00	.....	to 8.00	10.00	to 15.00
“ “ Lower Grades.....	1.00	to 4.00	5.00	to 10.00	3.00	to 4.00	4.00	to 10.00
Killarney, Richmond.....	1.00	to 6.00	4.00	to 10.00	3.00	to 8.00	2.00	to 8.00
My Maryland, Kaiserin, Carnot....	1.00	to 6.00	4.00	to 10.00	3.00	to 8.00	2.00	to 8.00
Bride, Maid.....	1.00	to 4.00	3.00	to 8.00	3.00	to 6.00	.....	to
Taft, Hillingdon, Ward.....	1.00	to 6.00	3.00	to 8.00	3.00	to 8.00	2.00	to 6.00
CARNATIONS	1.50	to 2.00	1.00	to 2.00	2.00	to 3.00	1.00	to 3.00
MISCELLANEOUS								
Cattleyas.....	25.00	to 50.00	.....	to 50.00	40.00	to 50.00	20.00	to 25.00
Lilies, Longiflorum.....	8.00	to 12.00	.....	to 15.00	10.00	to 12.50	10.00	to 12.00
“ Speciosum.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Lily of the Valley.....	2.00	to 3.00	2.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Gladioli.....	2.00	to 4.00	3.00	to 5.00	3.00	to 4.00	1.00	to 2.00
Chrysanthemums.....	6.00	to 10.00	.....	to	10.00	to 20.00	5.00	to 20.00
Violets.....	.40	to .60	.....	to .....	.....	to .....	.....	to
Daisies.....	.....	to .50	.....	to .....	.50	to .75	.....	to 1.00
Sweet Peas.....	.50	to 1.00	.....	to .....	.....	to .....	.....	to
Gardenias.....	8.00	to 12.00	20.00	to 25.00	.....	to	6.00	to 8.00
Adiantum.....	.....	to 1.00	.....	to 1.00	1.00	to 1.25	.....	to 1.00
Smilax.....	8.00	to 12.00	10.00	to 15.00	12.00	to 15.00	15.00	to 20.00
Asparagus Plumosus, Strings (100).....	.....	to 50.00	40.00	to 60.00	35.00	to 50.00	.....	to 50.00
“ “ & Spreng. (100 Bchs.).....	25.00	to 50.00	25.00	to 50.00	15.00	to 25.00	.....	to 50.00

J. A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
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Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

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GARDENIAS

Last year the supply of Gardenias early in the season was not equal to the demand. This fall we are glad to say, our growers have arranged their crops so that we will have an ample quantity of the choicest blooms right through the season.

Special \$2.50 per doz.; \$15.00 per 100
Fancy 2.00 per doz.; 10.00 per 100

CHRYSANTHEMUMS: \$1.50, \$2.00, \$2.50 and \$3.00 per doz.

DAHLIAS: \$1.50, \$2.00 per 100; extra choice, \$3.00 per 100

CATTLEYS: \$5.00 per doz.; \$35.00 per 100

VALLEY: Special, \$4.00 per 100; Extra, \$3.00 per 100

HEADQUARTERS FOR GREENS

WILD SMILAX, \$6.00 per case.
Green Galax, \$1.50 per 1,000; \$7.50 per 10,000.
Bronze Galax, \$1.50 per 1,000; \$7.00 per 10,000.
Leucothoe Sprays (green), \$1.00 per 100; \$9.50 per 1,000.

Green Sheet Moss, \$3.50 per bag.
Sphagnum Moss, 10-bbl. bales, nicely burlapped, each \$4.00; 5 bale lots, \$3.75 each; 10 bale lots, \$3.50 each; 25 bale lots, \$3.25 each.

RIBBONS AND SUPPLIES: Many new patterns in exclusive Ribbons. Write us for prices on these and on Supplies



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PHILADELPHIA
1608-1620 Ludlow Street

NEW YORK
117 West 28th Street

WASHINGTON
1212 New York Avenue

Flower Market Reports

BOSTON The flower market is in a healthy condition in all respects this week. Roses are doing well. The new Madame Russell has the call over all others. Among the older standbys the best sellers are Double White Killarney, Cardinal, Mrs. Taft, Killarney Queen and American Beauty. The only chrysanthemums seen in quantity thus far are October Frost and Golden Glow. The stock of these varies greatly, some very inferior blooms being among them. Carnations have stiffened up in price, but are still short in stem, although fair otherwise. There is still quite a supply of gladioli. Gardenias are plentiful. Lilies are selling all right, also lily of the valley. There is an abundance of fine double corn flowers in this market. Of violets there are more than enough for the demand.

CHICAGO A continued scarcity of stock is making business very quiet and there is no immediate prospect of a decided change. Fortunately the city demand is comparatively light and so shipping trade, which is fully up to the average, can be taken care of. Roses, which have perhaps been more in demand and less in supply than any other stock are coming in a little more freely but are not yet equal to the demand. Some fine dahlias appear each day and this flower appears to be gaining in popularity, especially when arranged tastefully in baskets, etc. American Beauties are of good quality now and the best grades are on four-foot stems. Very few asters are seen. Some fine lily

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	CINCINNATI September 24		DETROIT September 23		BUFFALO October 1		PITTSBURGH October 1	
Am. Beauty, Fancy and Special....	15.00	to 25.00	20.00	to 25.00	15.00	to 20.00	20.00	to 25.00
“ “ Extra.....	10.00	to 15.00	15.00	to 20.00	10.00	to 15.00	15.00	to 20.00
“ “ No. 1.....	6.00	to 10.00	10.00	to 15.00	6.00	to 10.00	8.00	to 12.00
“ “ Lower Grades.....	3.00	to 6.00	4.00	to 10.00	2.00	to 4.00	3.00	to 6.00
Killarney, Richmond.....	2.00	to 6.00	3.00	to 8.00	2.00	to 6.00	4.00	to 8.00
My Maryland, Kaiserin, Carnot.....	2.00	to 6.00	3.00	to 8.00	2.00	to 6.00	4.00	to 8.00
Bride, Maid.....	2.00	to 6.00	3.00	to 8.00	2.00	to 6.00	4.00	to 8.00
Taft, Hillingdon, Ward.....	2.00	to 6.00	3.00	to 8.00	2.00	to 6.00	4.00	to 8.00
CARNATIONS	.50	to 1.00	1.00	to 2.00	1.00	to 2.00	1.50	to 3.00
MISCELLANEOUS								
Cattleyas.....	10.00	to 50.00	12.50	to 50.00	8.00	to 60.00	40.00	to 50.00
Lilies, Longiflorum.....	2.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
“ Speciosum.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Lily of the Valley.....	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00	4.00	to 6.00
Gladioli.....	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00	4.00	to 6.00
Chrysanthemums.....	10.00	to 25.00	12.50	to 25.00	10.00	to 20.00	12.00	to 25.00
Violets.....	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	.50	to .75
Daisies.....	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	.50	to .75
Sweet Peas.....	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Gardenias.....	1.00	to 2.00	1.00	to 2.00	2.00	to 25.00	1.00	to 2.00
Adiantum.....	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Smilax.....	10.00	to 25.00	12.50	to 25.00	10.00	to 20.00	10.00	to 25.00
Asparagus Plumous, Strings (100)	35.00	to 40.00	20.00	to 30.00	40.00	to 50.00	40.00	to 50.00
“ “ & Spren. (100 bchs.)	25.00	to 35.00	20.00	to 30.00	25.00	to 35.00	25.00	to 50.00

of the valley is again on the counters. It is worthy of note that the five varieties of chrysanthemums in the market now are all Elmer D. Smith's. They are Smith's Advance, October Frost, Golden Glow, Unaka and Monrovia.

The supply of stock in the market is somewhat short of the general demand for same. The cold weather seems to have put a heavy check on the receipts and it has taken almost until now to bring them around to a normal cut. For the past week the cuts of roses coming into each wholesale house have steadily increased until now they are in a fair way to take care of the demand. They

are all good and all sell at top prices. The carnation supply is just beginning to steady itself; while generally of a regular size it has been erratic at times. When some particular color or variety was wanted most it would be the hardest to get. The following day would see enough of the desired color and probably more, too. The supply of pink is by far the largest. All other flowers are selling nicely but their supply is none too large. Lily of the valley is selling well and more might easily be used. The same applies to chrysanthemums, lilies, dahlias and cosmos. Some choice orchids are also to be had. Green goods business is excellent.

(Continued)

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A Full Line of ALL CUT FLOWERS.
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by the 100, 1000 or 10,000
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CHOICE CUT FLOWERS
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OLDEST IN YEARS BUT UP-TO-DATE IN SERVICE
Cut Flower Consignments Solicited.
A SQUARE DEAL. PROMPT RETURNS. MONEY ALWAYS READY.
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THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
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JAMES McMANUS Tel. 759 55 W. 28th St., New York
Mad. Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Sept. 28 1912		First Half of Week beginning Sept. 30 1912	
American Beauty, Fancy and Special	15.00	to 25.00	15.00	to 25.00
" " Extra	10.00	to 12.00	10.00	to 15.00
" " No. 1	6.00	to 8.00	6.00	to 10.00
" " Lower Grades	1.00	to 3.00	1.00	to 3.00
Killarney, Richmond .....	.50	to 4.00	.75	to 4.00
My Maryland, Kaiserin, Carnot .....	.50	to 6.00	1.00	to 5.00
Bride, Maid50	to 4.00	1.00	to 4.00
Taft, Hillingdon, Ward50	to 6.00	1.00	to 6.00
Carnations	1.00	to 2.00	1.00	to 2.00

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HENRY M. ROBINSON CO.
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Wholesale Florists
Maurice L. Glass, Manager
55-57 WEST 26th ST. - - - NEW YORK CITY
Special Attention to the Shipping Trade



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 WHOLESALE COMMISSION FLORISTS
 Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH.

Flower Market Reports

(Continued from page 485)

NEW YORK Last Monday night a white frost which was experienced in many parts of Jersey gave the tomatoes, geraniums, dahlias and such like a rare shake-up. Dealers will not be sorry to see the last of the latter, which are flooding the market in such quantities. The ordinary yellow chrysanthemums are not so much in demand as last year, their place having evidently been taken by Golden Glow, of which the market has had a sufficient supply for a long time. We have had a few extra specials in this week which have sold at \$6.00 a dozen. Whites are plentiful, for which there is a good demand, and the same may be said of white carnations, but there is a difficulty in getting rid of the reds and pinks. Roses are with us in plenty, with too many of the smaller grades, which are a source of trouble, while the demand for best flowers is good and some of the Double White Killarney and American Beauty have been extra fine. Cattleyas, which have been going so badly of late, are sounder business. Gardenias, too, are in better demand. Taking one consideration with another, trade seems a shade better all round and should the cold weather continue we may soon settle down to real business.

PHILADELPHIA Business picked up quite considerably last week and there was a decidedly better tone all along the line. The general average for this season of the year was fully up to the usual standard. The best sellers were white roses—consequent on a brisk demand for funeral work and, in a lesser degree, to a slight decrease in shipments. Chrysanthemums also sold well and are daily becoming more of a factor. They are bringing fair money considering the quality. There have been some very good Golden Glow for some time, and these have led the Smith's White and October Frost. Now, we have Polly Rose, and Glory Pacific. Quality very fair. Dahlias are moving off in good shape but no extravagant prices have been realized. Carnations, like some other things, suffered early in the week from

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 383-387 ELLICOTT ST. - - BUFFALO, N. Y.

MONTREAL FLORAL EXCHANGE, LTD.
 ORGANIZED FOR THE BENEFIT OF THE CANADIAN TRADE.
 CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION.
 Home-grown Stock a Specialty. STRICTLY WHOLESALE; NOTHING SOLD AT RETAIL.
 Ample reference furnished as to standing and financial ability of the company.
 123 MANSFIELD STREET, MONTREAL, P. Q.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Sept 28 1912		First Half of Week beginning Sept. 30 1912	
Cattleyas	25.00	to 35.00	15.00	to 35.00
Lilies, Longiflorum	6.00	to 8.00	6.00	to 8.00
Speciosum				
Lily of the Valley	1.00	to 3.00	1.00	to 3.00
Gladioli	.50	to 2.00	1.00	to 2.00
Chrysanthemums	5.00	to 25.00	5.00	to 25.00
Violets	.40	to .60	.10	to .60
Daisies		1.00	.50	to 1.00
Sweet Peas	1.00	to 2.00	1.00	to 2.00
Gardenias	4.00	to 12.00	12.00	to 25.00
Adiantum		.50		.50
Smilax	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings		15.00		25.00
& Spreu (100 bunches)	8.00	to 12.00	8.00	to 12.00

dull business consequent on rainy weather, but there was a decided change later on. The cool, bright weather and the advancing season is of course the main reason for the more healthful aspect of the market generally. American Beauty roses were not so plentiful. Prices on these are holding firm; with a slight advance on the higher grades. Other roses are good, and moving fairly well. Some kinds and grades rather too many for the market. Lilies are in short supply. A few gladioli; but poor. Tritoma, eulalia, oak foliage, etc., in brisk demand. Orchids selling well but rather too many for remunerative returns.

ST. LOUIS The market was in a very poor condition all of last week. Everything was scarce and the cooler weather put considerable life into the retailers, who cleaned up the markets daily. Now for the chrysanthemum season, which is already upon us. In roses Beauties had the call. Killarneys in all varieties sell well. Richmond the same and there are some fine Coquets. Carnations are still small and short stemmed but scarce. Lilies and lily of the valley had a good call and all greens sold well.

WASHINGTON Business during the past week has not been as brisk as could be desired, due in part to rain which fell during the entire period. There is plenty of stock in the market although American Beauty roses are not quite up to the market. Orchids are more plentiful. Dahlias are to be seen in large quantities; cosmos has made its appearance and violets are also being offered by the stores. These are not good as yet as they shatter too readily.

FIRE RECORD.

Cranston, R. I.—Fire slightly damaged the greenhouse of George E. Lewis on September 14.

Brockton, Ill.—The greenhouse and dwelling of J. H. Farnsworth was damaged by fire on September 11 to the extent of \$2,000; insured for \$1,500.

Chicago, Ill.—The store of the Charles Schneider Floral Co., Inc., 32 West Washington street, was damaged by fire to the extent of several hundred dollars on Sept. 17.

IN BANKRUPTCY.

Auburn, N. Y.—Herbert M. Hills; liabilities, \$7,690; assets, \$7,487.

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 Galax, Boxwood, Laurel
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Hartford & McDonough
 70 PEMBERTON SQ., BOSTON

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W. J. COWEE, Berlin, N. Y.
 10,000....\$1.75. 50,000....\$7.50. Sample free
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WHOLESALE COMMISSION HOUSE
 A First Class Market for all CUT FLOWERS
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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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ALTERNANTHERAS

Alternanthera Versicolor, Jewel, P. Major Brilliantissima, Prospect Park Bedder, and green and yellow, field grown, \$10.00 per 100. Rooted cuttings, 60c.; unrooted, 40c. per 100. Cash with order, please. Deerfield Nursery, Deerfield, Ill.

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Aphine Mfg. Co., Madison, N. J.
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Water hyacinths, the oddest, most beautiful and valuable plants; extra strong, in the finest condition; \$5.00—100, \$35.00—1000; second grade, \$3.00—100, \$18.00—1000. Blooming water hyacinths make leaders at 25c. retail. Cash, please. Texas Nursery & Floral Co., Box 178 Alvin, Tex.

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Godfrey Aschmann, Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, New York.
For page see List of Advertisers.

Asparagus plumosus, 2½ in. pots, at \$4.00 per 100. Ruxton Floral and Nursery Co., Ruxton, Md.

Asparagus plumosus nanus, 2½-in., \$3.00 per 100. Cash. A. & G. Rosbach, Pemberton, N. J.

Asparagus plumosus, 2½-in., \$2.00 per 100. A. Sprenger, 2½-in., all strong stock, \$1.90 per 100 if ordered at once. Cash. John Bauscher, Jr., Freeport, Ill.

AZALEAS

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Lochner & Co., New York, N. Y.
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F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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McHutchison & Co., 17 Murray St., N. Y.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Roelker & Sons, 31 Barclay St., New York.
For page see List of Advertisers.

Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

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For page see List of Advertisers.

R. Vincent, Jr., & Sons Co., White Marsh, Md.
For page see List of Advertisers.

BEGONIAS

J. A. Peterson & Sons, Cincinnati, O.
Glory of Cincinnati.
For page see List of Advertisers.

Fancy Begonia Rex, 7 varieties, \$4.00 per hundred. A. & G. Rosbach, Pemberton, N. J.

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McCallum Co., Pittsburgh, Pa.

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Box Trees, all sizes. Ask for special list.

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Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

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Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

Ralph M. Ward & Co., 71 Murray St., New York.

Horseshoe Brand Lilies and French Bulbs.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

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For page see List of Advertisers.

E. S. Miller, Wading River, N. Y.
For page see List of Advertisers.

P. H. Goodsell, New York, N. Y.
For page see List of Advertisers.

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For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.
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Double Narcissus Von Slon.
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Bulbs of all descriptions. Write for prices. C. Keur & Sons, Hillegom, Holland.

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CANNAS

R. Vincent, Jr., & Sons Co., White Marsh, Md.
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CAPE JASMINE

Cape Jasmine, fine cuttings, 8 inch and over, ready for rooting; 100 \$1.00, 1000 \$8.00, prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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F. Dorner & Sons Co., Lafayette, Ind.
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B. G. Merritt & Co., Grange, Md.
Field-Grown Carnations.
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J. Fuller, Leominster, Mass.
Field Grown Carnations.
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George Peters & Sons, Hemstead, N. Y.
Field-Grown Carnation Plants.

2000 Enchantress \$45.00 per 1000

1000 Rose Pink Enchantress. 45.00 per 1000

1000 Queen 35.00 per 1000

Fox & Rosen, Parkerford, Pa.

CARNATIONS—Continued

Carnations, 700 Fair Maid, \$5.00 per 100. Wm. Capstick, Auburndale, Mass.

FIELD GROWN CARNATIONS.

Constant cultivation, careful topping, good soil and sufficient moisture have made these the finest plants we have ever grown. Shipment the same day order is received. Cash with order unless your name is on our books.

	Per 100	Per 1000
20,000 Enchantress,	\$5.00	\$45.00
3,000 Vesper,	4.00	35.00
3,000 Queen Louise,	4.00	35.00
Virginia Nursery Co.,	Purcellville, Va.	

CHRYSANTHEMUMS

R. J. Irwin, New York, N. Y.
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Stock Plants, Smith's Advance 'Mums, 75c. per doz., \$5.00 per 100. Peirce Brothers, Waltham, Mass.

CHRYSANTHEMUM, THE. By A. Herrington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 160 pages. Price 50 cents.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
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R. J. Irwin, New York, N. Y.
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Cyclamens, 3-inch pots, \$10.00 per 100; \$80.00 per 1000. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS

R. Vincent, Jr., & Sons Co., White Marsh, Md.
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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Woodrow & Marketos, 41 West 28th St., New York.
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DELPHINIUMS

Delphinium Formosum, extra strong. 2 year old, \$4.50 per 100. Write for samples and wholesale list. Geo. F. Kimbel, Flourtown, Pa.

DOUBLE CLAW HAMMER

Double Claw Hammer Co., Brooklyn, N. Y.
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FERTILINE

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FERTILIZERS

Elmer D. Smith & Co., Adrian, Mich.
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Stumpp & Walter Co., New York, N. Y.
Clay's Fertilizer.

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Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

DOUBLE FARM CROPS. By restoring
soil fertility with Shell-Marl Land-Lime,
Wood Ashes Substitute, Ground Phosphate
Rock, Basic Slag. Endorsed, recommended
and used by experiment stations and lead-
ing farmers. Best results by applying in
the fall. Send for catalogue. Vermont
Marl Company, Brattleboro, Vermont.

FERNS

A. Lerthy & Co., Roslindale, Mass.
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Godfrey Aschmann, Philadelphia, Pa.
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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Robert Craig Co., Philadelphia, Pa.
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Frank Oechslin, 4911 Quincy St., Chicago.
Ferns for Dishes.

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R. J. Irwin, New York, N. Y.
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F. R. Pierson Co., Tarrytown-on-Hudson,
New York.

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Adiantum cuneatum clumps, will divide
to make 4 to 6 plants, \$12.00 per 100.
Wm. Capstick, Auburndale, Mass.

Fern runners, fine stock Boston, Whit-
man, Amerpohl, Springfield, \$1.80 per
100, \$15.00 per 1000. Roosevelt runners,
very fine, \$6.00 per 100, \$50.00 per 1000.
Roosevelt, 4-inch, \$15.00 per 100, 5-inch,
\$25.00 per 100. Asparagus Plumosus, 4-
inch, handsome stock, \$8.00 per 100, 50,000
sq. ft. of glass at Cleveland, O., devoted
exclusively to ferns. I have the best stock
to be had anywhere. Prices are low, for
cash only. Schneider, Florist, Springfield,
O.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 65 Pearl St.,
Boston, Mass.

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H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.

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S. S. Pennock-Meehan Co., Philadelphia,
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H. Bayersdorfer & Co., 1129 Arch St.,
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Hartford & McDonough, Boston, Mass.
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GERANIUMS

R. Vincent, Jr., & Sons Co., White Marsh,
Maryland

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Geraniums S. A. Nutt, Ricard and Mme.
Buchner, field grown plants, \$5.00 per 100.
Rooted cuttings, \$1.00 per 100; unrooted,
90c. per 120. Cash with order, please.
Deerfield Nursery, Deerfield, Ill.

NEW GERANIUM "HELEN MICHELL."
The best clear scarlet Bedding Geranium
ever offered. See Adv., page 384. 2 1/4 in.
plants (ready from January, 1913), \$2.50
per doz.; 100, \$15.00; \$125.00 per 1000.

Orders Booked Now.

MICHELL'S SEED HOUSE,
Philadelphia, Pa.

GLADIOLUS

John Lewis Childs, Flowfield, N. Y.
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GLASS

Standard Plate Glass Co., 26-30 Sudbury
St., Boston.

Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.

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Farshelsky Bros., Inc., 215-217 Havermeyer
St., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GREENHOUSE BUILDING MATERIAL

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Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

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V. E. Reich, Brooklyn, N. Y.

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Lord & Burnham Co.,

1133 Broadway, New York.

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GREENHOUSE CONSTRUCTION—

Continued

Pierson U-Bar Co., Madison Ave., New York.
Designer and Builder.

Hitchings & Co., 1170 Broadway, N. Y.

GREENHOUSE SUPPLIES

E. H. Hunt, Chicago, Ill.

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King Channel Gutters.

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Metropolitan Material Co., Brooklyn, N. Y.

Iron Gutters.

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HAIL INSURANCE

Florists' Hail Assn. of America.
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HARDY FERNS AND GREEN GOODS

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38 and 40 Broadway, Detroit, Mich.

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Lord & Burnham Co.,

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P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Bobbin & Atkins, Rutherford, N. J.

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HOLLYHOCKS

Hollyhocks, large transplanted, double
white, yellow, pink, red, maroon, single
mixed, \$4.50 per 100. Write for wholesale
list of other perennials; it will pay you.
Geo. F. Kimbel, Flourtown, Pa.

HOSE

H. A. Dreer, Philadelphia, Pa.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Farshelsky Bros., Brooklyn, N. Y.

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V. E. Reich, Brooklyn, N. Y.

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Imp. Soap Spray.

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To-Bak-Ine Products.

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Standard Insecticide.

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Interstate Tobacco Co., New York, N. Y.
"Tip Top" Tobacco Powder.

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Benjamin Hammond, Fishkill-on-Hudson,
N. Y.

Slug Shot.

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Kentucky Tobacco Product Co.,

Louisville, Ky.

Nico-Fume.

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IRIS

Henry A. Dreer, Inc., Philadelphia, Pa.
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In writing to Advertisers kindly mention Horticulture

IRIS—Continued**GERMAN IRIS.**

FLORENTINE (slate white), **CELESTE** (lavender), **FAIRY** (white), **SPECIOSA** (purple), **DALMATICA** (pale blue).

SIBERIAN IRIS.

WHITE BLUE (type), **BLUE ORIENTALIS**, **WHITE ORIENTALIS** (Snow Queen). Dozens, hundreds, thousands. Write wants.
O. H. DICKINSON, SPRINGFIELD, MASS.

IVIES

English Ivy, strong, at \$8.00 and \$12.00 per 100. C. Winterich, Dehance, O.

JAPANESE LILIES

Loechner & Co., New York, N. Y.
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LANDSCAPE ENGINEERS AND CONTRACTORS

Fairfield Landscape & Nursery Co., New York, N. Y.
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Jas. Vick's Sons, Rochester, N. Y.
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Horse Shoe Brand.
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Hardy, Northern Grown Stock.
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Bobbink & Atkins, Rutherford, N. J.
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McHutchison & Co., 17 Murray St., N. Y.
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Lancaster County Nurseries, Lancaster, Pa.
Shade Tree Barrels.
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Stuart Low & Co., Enfield, England.
British-Grown Roses, Fruit Trees, Vines, Orchids, Etc.
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Fusts' Nurseries, Brussels, Belgium.
Send for Catalogue.
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Charles E. Frankenbach & Sons, Southampton, N. Y.
Shrubs for Fall Planting.

NURSERY STOCK—Continued

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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Julius Roehrs Co., Rutherford, N. J.
Hybrid Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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ORCHID GROWERS' MANUAL.

By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and Orchid Culture ever published. Price \$10.00.
Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Loechner & Co., New York, N. Y.
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August Rolker & Son, 31 Barclay St., N. Y.
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEONIES

Henry A. Dreer, Inc., Philadelphia, Pa.
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Peonies. The world's greatest collection, 1200 sorts. Send for list. C. Betscher, Canal Dover, O.

PHLOX

Henry A. Dreer, Inc., Philadelphia, Pa.
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PHOENIX ROEBELINII

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.
Plant Trellises and Stakes. P. A. Angier & Co., Westboro, Mass.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

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S. S. Skidelsky, Philadelphia, Pa.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

POULTRY AND FRUIT REVIEW

The Rex Company, Harrisburg, Pa.
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PRIMULAS

Primula malacoides, 4 in. pots, at \$8.00 per 100; 2½ in. pots, at \$4.00 per 100. Primula obconica (best strain), 2½ in. pots, at \$3.00 per 100. Ruxton Floral and Nursery Co., Ruxton, Md.

Malacoides, strong 3½ in., ready for 5 in., \$7.00 per 100. Israel Quint, 125 Walnut Ave., Roxbury, Mass.

Primulas, all 2-inch pots. Malacoides, Chinese, Forbesi, obconica alba, rosea, lilac, rubra, hybrida, compacta, carmine, blue, sanguinea, giant rosea, giant mixed, Kewensis, \$1.50 per 100. All fine, strong stock. Cash. Byer Bros, Chambersburg, Pa.

PRINTING

The Rex Company, Harrisburg, Pa.
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RAFFIA

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W. & T. Smith Co., Geneva, N. Y.
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A. N. Pierson, Cromwell, Conn.
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Bobbink & Atkins, Rutherford, N. J.
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Wood Bros., Fishkill, N. Y.
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400 Radiance Roses, 4 in. pots, at \$10.00 per 100. 200 Golden Gate 4 in. pots, at \$8.00 per 100. Ruxton Floral and Nursery Co., Ruxton, Md.

RUBBER STAMPS, STENCILS

The Rex Company, Harrisburg, Pa.
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RUBBER TREES

Godfrey Aschmann, Philadelphia, Pa.
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RUSTIC ARBORS

Rustic Manufacturing Co., New York, N. Y.
Summer Houses, Furniture, etc.

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J. C. Robinson Seed Co., Waterloo, Neb.
Contract Seed Growers.
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Leonard Seed Co., Chicago, Ill.
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Braslan Seed Growers Co., San Jose, Cal
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R. & J. Farquhar & Co., Boston, Mass.
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Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
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Cyclamen and Pansy Seed.
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J. Bolgiano & Son, Baltimore, Md.
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T. J. Grey Co., 32 So. Market St., Boston.
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SHEEP MANURE

Wm. Elliott & Sons, 42 Vesey St.,
New York, N. Y.
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SLUG SHOT

B. Hammond, Fishkill-on-Hudson, N. Y.
For page see List of Advertisers.

SPHAGNUM MOSS

J. H. Sprague, Barnegat, N. J.
For page see List of Advertisers.

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

STOVE PLANTS

Orchids—Largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

STRAWBERRY PLANTS

P. H. Goodsell, New York, N. Y.

TO-BAK-INE

E. H. Hunt, Chicago, Ill.
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TIP TOP TOBACCO POWDER

Interstate Tobacco Co., Inc.,
1397-1399 Ave. A, New York, N. Y.
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VENTILATING APPARATUS

Foley Mfg. Co., Chicago.

The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
For page see List of Advertisers.

Quaker City Machine Works,
Richmond, Ind.
20th Century Arm.
For page see List of Advertisers.

VIOLETS

Chas. H. Totty, Madison, N. J.
Gov. Herrick Violets.
For page see List of Advertisers.

Violets, Prince of Wales, strong, healthy,
field plants, \$6.00 per 100; \$55.00 per 1000.
Charles Lenker, Freeport, L. I., N. Y.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works,
38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 112 Arch St. and
31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

Peter Reinberg, 37 Randolph St.
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Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St.
For page see List of Advertisers.

Chicago Flower Growers' Association,
176 N. Michigan Ave.
For page see List of Advertisers.

Chicago Carnation Co., 30 E. Randolph St.
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Cincinnati, Ohio

The J. M. McCullough's Sons Co.,
316 Walnut St.
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Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.
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Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
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New York

M. C. Ford, 121 W. 28th St., New York.
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H. E. Froment, 57 W. 28th St., New York.
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E. C. Horan, 55 W. 28th St., New York.
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A. H. Langjahr, 130 W. 28th St., New York.
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James McManus, 55 W. 28th St., New York.
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WHOLESALE FLORISTS**New York—Continued**

W. F. Sheridan, 133 W. 28th St., New York.
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Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th
St., New York.
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Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.,
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
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W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schneck, New York, N. Y.
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Frank Millang, 55-57 West 26th St.
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Badgley, Riedel & Meyer, Inc., New York.
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Woodrow & Marketos, 41 West 28th St.
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Henry M. Robinson Co., New York, N. Y.
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J. K. Allen, New York, N. Y.
For page see List of Advertisers.

A. L. Young & Co., New York, N. Y.
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Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
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The S. S. Pennock-Meehan Co., 1608-12
Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

Rochester

George B. Hart, 24 Stone St.
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New Offers In This Issue**ASPARAGUS, CALLAS, DAISIES,
ETC.**

Wm. Ehmman, Corfu, N. Y.
For page see List of Advertisers.

BERLIN VALLEY PIPS.

McHutchison & Co., New York, N. Y.
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**BULBS, CYCLAMEN AND KENTIA
SEED, ETC.**

J. M. Thorburn & Co., New York, N. Y.
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CALIFORNIA PRIVET.

Franklin Davis Nursery Co., Baltimore, Md.
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GRASS SEED.

P. Hamilton Goodsell, New York, N. Y.
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"INTERNATIONAL" PRIZES.

John Waterer & Sons, Ltd., Bagshot, Eng.
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**LILY OF THE VALLEY FOR FORC-
ING.**

Fottler, Fiske, Rawson Co., Boston, Mass.
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**RETAIL DELIVERIES IN NEW ENG-
LAND.**

Julius A. Zinn, Boston, Mass.
For page see List of Advertisers.

WHOLESALE FLORISTS.

Henry M. Robinson Co., New York, N. Y.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

FOR "POT LUCK" TRY US... HEWS STANDARD POT'S

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS
**Pearson Street
LONG ISLAND CITY, N. Y.**
A. H. HEWS & CO., Inc.
**Main Office and Factories
CAMBRIDGE, MASS.**

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.

Obituary.

Mrs. Warren Ewell.

Mary, widow of the late Warren Ewell of Boston, died at Dorchester, Mass., on September 27.

William W. Thompson.

William W. Thompson, for many years a gardener and florist of Lake, Wisconsin, died on September 19, aged 70 years. Three sons and a daughter survive him.

Francis Krieger.

On September 13, Francis Krieger died in Troy, N. Y., aged 74 years. Born in Germany he came to America about 30 years ago. He was first in the florist business, then was employed in Oakwood cemetery as gardener.

Thomas Fletcher.

Thomas Fletcher, florist, Wood and Second streets, Warren, O., died recently of blood poisoning. He had a range of glass and a store in the center of the city. He was born in Lancashire, England, 49 years ago. His son will continue the business.

Richard E. Evans.

On September 15, Richard E. Evans, florist, 36 South Main street, Salt Lake City, Utah, died of paralysis, aged 62 years. He was born in Portsmouth, England, and in 1882 started a florist business in Flint, Mich. He located in Salt Lake City in 1891. His wife, one daughter, a brother and sister survive him.

G. Harry Baker.

G. Harry Baker, gardener at the R. B. Willing place, Newport, R. I., was found drowned in a cistern on the estate, September 30. It is believed he went to inspect the water spouts in the cistern and fell in by accident. The deceased had been in charge of the Willing place about ten years. He was 45 years of age and leaves a widow and several young children.

Paul Allerth.

It is a sad task to note the death of one so young and full of promise as

Paul Allerth. Scarcely out of his early boyhood, Paul had been with A. Lange, Chicago, for five years and held the responsible position of shipping clerk in that large store. Last February he left to seek rest and change, but was never able to return, passing away at the home of his parents, 1611 North avenue, Chicago, September 25. The funeral was held from the residence, September 27.

Martin Kennedy.

Martin Kennedy, who for forty years had been employed in the greenhouse of James Weir & Son, Twenty-fifth street and Fifth avenue, Brooklyn, N. Y., died of apoplexy in the greenhouse on September 27. He was seventy years of age and had retired from active work about three years ago. It was his custom to go to the greenhouses to care for a bed of chrysanthemums which were his personal pride and he was found dead among them. His wife and two daughters survive him.

George Carpenter.

Last week Philadelphia lost one of her oldest and best known florists in the sudden passing away of George Carpenter, who died at his residence, 60th street and Girard avenue, on the 25th of September. Mr. Carpenter was a trained gardener from England, and was at first in a private place (George Bullock's at Conshohocken), after which he started a commercial establishment for himself at 30th and Race streets. Later he moved to 60th street and Girard avenue where he has been located for over thirty years. He was a good grower, and was especially distinguished for his strict integrity in all walks of life. The business will be carried on by his son, George Carpenter, Jr., who has been associated with same all his life.

The St. Louis Florist Club will hold its regular monthly meeting on Thursday afternoon, Oct. 10th, at 2 o'clock, in Odd Fellows' Hall. President Fred Weber says he is looking for a big meeting and has instructed the trustees to see that the members have a pleasant afternoon.

1000 READY PACKED CRATES STANDARD FLOWER POT'S AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1 1/4 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	450 4 1/2 " " 5.24
1500 2 1/4 " " 5.25	320 5 " " 4.51
1500 2 1/2 " " 6.00	210 5 1/2 " " 3.78
1000 3 " " 5.00	144 6 " " 3.16
800 3 1/2 " " 5.80	120 7 " " 4.20
	60 8 " " 3.00

HILFINGER BROS., Pottery, Fort Edward, N. Y.

August Rolker & Sons, 31 Barclay St., N. Y. City, Agents

OUR SPECIALTY—Long Distance and export trade

Syracuse Red Pots

"A little pot is soon hot." Likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.

New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER

POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts. Washington, D. C.

HELP WANTED

WANTED—Good, all-round man for violets. Single, good worker. E. Bingham, Pine Street, Dedham, Mass.

FERTILIZER AGENTS WANTED—To handle Shell-Marl Land-Lime and other materials. Exclusive agency, liberal commission. Vermont Marl Co., Brattleboro, Vt.

HELP WANTED—A willing, single Protestant to help on small commercial place; mums, peas, carnations, some bedding plants; year-round job, home and small wages. M. L. Tirrell, Lafayette St., Randolph, Mass.

WANTED—Man of experience in growing and with good knowledge of hardy perennial stock, in up-to-date ornamental nursery. Address T. A., care HORTICULTURE.

WANTED—Energetic experienced traveling man. Young man with knowledge of cut-flower trade and florists' supply business can secure good position. Address P. W., care HORTICULTURE.

SITUATIONS WANTED

ASSISTANT GARDENER

Wishes position on gentleman's place. Ten years' experience inside and outside in England and America. Best references. "A. B. C." care of HORTICULTURE.

NORWEGIAN, married, no children, wishes position as gardener on private estate, or as foreman in commercial place; 20 years' experience in all branches; quick, sober and reliable. Please state wages in first letter. O. S., care HORTICULTURE.

FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Parshefsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE OR TO RENT. Florist and Nursery place; good location in large, growing town in Connecticut, 4,000 feet of glass. A bargain for anyone wanting to buy. Open November 1st. W. J. Schoonman, Danielson, Conn.

Tobacco Paper "NICO-FUME" LIQUID

IS THE
STRONGEST,
BEST PACKED,
EASIEST APPLIED.

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

**Furnishes the
Most Nicotine for the Money**

MANUFACTURED BY
THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

OVER 40% NICOTINE
By far the
CHEAPEST.

JUST NOTE PRICE!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

LEMON OIL CO'S STANDARD SOLUBLE IN WATER INSECTICIDE NO POISON

Guaranteed under the Insecticide Act, 1910. Serial No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, etc. without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

½ Pint - - 25c; Pint - - 40c; Quart - - 75c
¼ Gallon, \$1.25; Gallon, \$2.00; 5 Gallon Can, \$9
10 Gallon Can - - \$17.50

Dilute with water 30 to 50 parts

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct

Lemon Oil Company Dept. K
420 W. Lexington St., Baltimore, Md.
Directions on every package

Green Flies and Black Flies Too are easy to kill with

"TIP-TOP" BRAND

Tobacco Powder

For fumigating or dusting. \$3.00 per bag, 100 lbs. Write for free samples. Money with order.

Interstate Tobacco Co., Inc.

1397-1399 Ave. A, NEW YORK

Money refunded if not satisfied. Beware of imitations. Territory open for live jobbers. Write for prices.

Cocoanut Fibre Soil

Is being used more and more in the greenhouse and for covering lawns from September to frost. Keep it in stock, it is a seller.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST., BEVERLY, MASS.

Rubber Stamps, Stencils

Seals, Steel Stamps, Hotel Baggage and Key Checks, Badges, Burning Brands, Pew Numbers, Numbering Machines, Check Protectors, Stencil Combinations, Steel Alphabets and Figures, Indelible Inks, Stencil Colors and Brushes, Door Plates, Rubber Type. Illustrated Catalogue of nearly 100 pages sent with first order or upon receipt of 5 two-cent stamps. Agents wanted.

THE REX COMPANY, Harrisburg, Pa.

CLAYS FERTILIZER

112 lb. bag, \$5.50 56 lb. bag, \$3.00 28 lb. bag, \$1.75

Stumpp & Walter Co, 50 Barclay St., N. Y.

To-Bak-Ine Kills Bugs

Catalogue of valuable information FREE

E. H. HUNT, 131 N. Wabash Avenue, Chicago



SLUG-SHOT

USED FROM OCEAN TO OCEAN FOR 29 YEARS.

Sold by Seed Dealers of America.

Saves Currants, Potatoes, Cabbage, Melons, Flowers, Trees and Shrubs from Insects. Put up in popular packages at popular prices. Write for free pamphlet on Bugs and Blights, etc., to B. HAMMOND, Fishkill-on-Hudson, New York.

STERILIZED

Sheep Manure

For All Purposes

\$1.50 100 lbs., 1 Ton \$26

Wm. Elliott & Sons

42 VESEY ST., NEW YORK

Established 1845.

FERTILENE

THE IDEAL PLANT FOOD.

Unequaled for Producing Lusty

CHRYSANTHEMUM BLOOMS

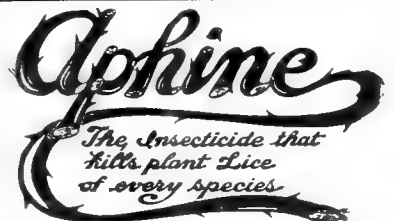
Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. Sample packets of one-half pound mailed for 30c. Sample packets of one pound mailed for 50c.

ELMER D. SMITH & CO., ADRIAN, MICH.

Imp Soap Spray

Effective one to thirty-two.
Single gallons, \$1.50

Eastern Chemical Company
BOSTON



The Recognized Standard Insecticide. Not a cure-all but a specific remedy for all sap sucking insects infesting plant life such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Does not stain the foliage.

75c. per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used one part to 400 parts water. It does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN.

Aphine Manufacturing Co., Madison, N. J.

Manufacturers of Agri-...

M. C. EBEL, General Manager

GREENHOUSES BUILDING OR CONTEMPLATED.

Paxinos, Pa.—J. J. Cook, house 24 x 50.

Durham, Ore.—J. B. Pilkington, one house.

St. Helen, Mich.—Louis Hayet, one house.

Hutchison, Kan.—L. R. Bever, house 18 x 120.

Rhinebeck, N. Y.—J. Vonder Linden, addition.

Marshall, Tex.—Marshall Floral Co., two houses.

Wheeling, W. Va.—Frank C. Siebert, two houses.

Suffolk, Va.—Suffolk Floral Gardens, house 20 x 100.

Overbrook, Pa.—Mrs. James S. Martin, one house.

Detroit, Mich.—Norman Sullivan, Woodward avenue, house 19 x 85.

Minneapolis, Minn.—Andrew Herzog, Penn avenue, N., one house.

Pittsburgh, Pa.—T. A. Mellon, 401 North Negley avenue, one house.

Baltimore, Md.—Harry J. Quick, Liberty road, one house 14 x 100, one 16 x 100.

Memphis, Tenn.—Olaf Johnson, Old Randolph road, four houses each 20 x 130.

Southampton, N. Y.—Albert B. Boardman, Great Plains road, one house.

Evansville, Ind.—Austin J. Wallace, 510 Cleveland avenue, vegetable house 15 x 100.

Newport, R. I.—Henry A. C. Taylor estate, eight houses and potting shed. Wm. McKay, gardener.

Duluth, Minn.—J. J. Le Borious, additions at 921 East Third street, also 2501 Woodland avenue.

Dover, N. H.—C. L. Howe, Garrison Hill, violet house. C. A. Davis, 339 Washington street, rose house.

Providence, R. I.—J. P. Swanson, Stanton avenue, one house. D. M. Potter, 501 Park avenue, house 40 x 190. Brown University, house 18 x 25.

Chattanooga, Tenn.—W. C. Wright, representative of Lord & Burnham Co., has recently visited this city regarding the erection of greenhouses at Warner park.

Farmington, Utah.—R. Miller, manager of the Miller Floral Co., writes that the recent report that they are to build more houses is incorrect. They have just finished a range and will not build any more at present.

New Bedford, Mass.—W. H. Davenport, who has just completed a greenhouse, recently reported in HORTICULTURE, has had a store at 35 Purchase street three or four years, but this is his first greenhouse. He intends to use it for growing violets.

San Francisco, Cal.—The contract for the construction of the greenhouses and potting shed for the Panama-Pacific International Exposition has been awarded to Neil A. McLean, of San Francisco. They will be erected in Tennessee Hollow in the Presidio Reservation.

Greenhouse Materials FURNISHED AND ERECTED

IRON or WOOD SASH BARS

In all lengths up to 32 feet.

Milled to any detail furnished or will furnish details and cut materials ready for erection.

Frank Van Assche, Fulton Ave., Rose Ave. and Dwight Street
JERSEY CITY, N. J.

GLASS

for GREENHOUSE and HOT BED SASHES. Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.

215-217 Havemeyer St., Brooklyn, N. Y.

Dreer's Peerless Glazing Points

For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No 2



MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

PATENTS

Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Thirty years active service.

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.



WROUGHT IRON PIPE FOR SALE

Rethreaded, thoroughly overhauled, in random lengths, guaranteed free from splits or holes.

It will pay you to communicate with us.

ALBERT & DAVIDSON
217-23 Union Avenue Brooklyn, N. Y.

In ordering goods please add "I saw it in 'HORTICULTURE'."



GREAT for HIGH NAILING

Pulls the nail out straight and easy. This is important in hot houses.

16 or 21 oz. Head.

Cheapest and handiest hammer ever made, when you consider what it will do. Costs three times more to make—but, At your dealer's or from us, delivery prepaid.

RETAIL \$1.00

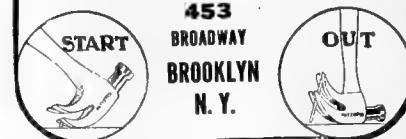
DOUBLE CLAW HAMMER CO.

453

BROADWAY

BROOKLYN

N. Y.



CYPRESS SASH BARS

32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER

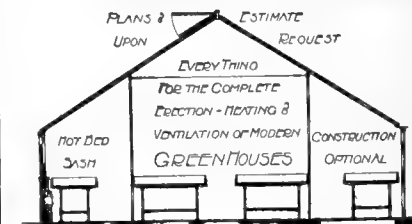
GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

S. JACOBS & SONS



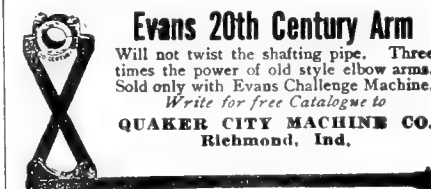
1359-1385 Flushing Ave.

BROOKLYN, - - - N. Y.

CHARLES H. DODD

Greenhouse Builder, General Greenhouse Mechanic,
Iron Frame and Wood Bar Houses.
Ideal Greenhouse Bolders.
Materials Furnished or Erected. Heating and Ventilating Materials.

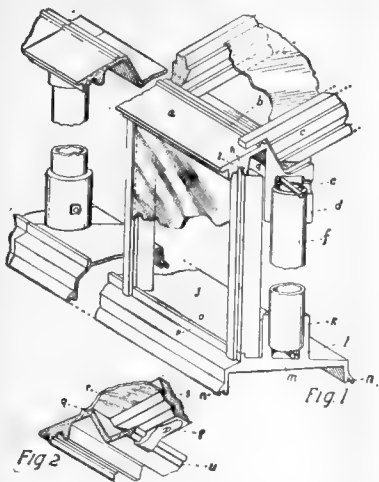
578 Ocean Ave., JERSEY CITY, N. J.



Evans 20th Century Arm
Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine. Write for free Catalogue to
QUAKER CITY MACHINE CO.
Richmond, Ind.

THE FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of 32,500,000 sq. ft. of glass
For particulars address
John G. Esler, Stry Saddie River, N. J.

Metropolitan Patent
Iron Wall Construction

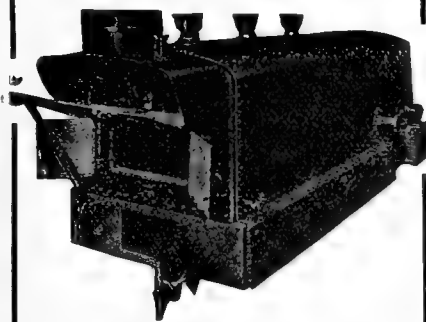


With a little extra cost above wood, anyone can have an Iron Wall Greenhouse, by bolting the different pieces together and securing roof bars, for any size glass, with the clips.

Metropolitan Material Company
1398-1408 Metropolitan Avenue
BROOKLYN, NEW YORK

**KROESCHELL
BOILER**

SEND FOR CATALOGUE



KROESCHELL BROS. CO.
466 W. Erie St., Chicago, Ill.



**SPECIFY
Advance Ventilating
Apparatus**

when ordering your building material. Our machines have satisfied the most critical users and will continue to do so.

Remember that we absolutely guarantee our apparatus to give perfect satisfaction.

We want you to have our catalog. Send us your name and address and we will forward one at once.

ADVANCE CO., - Richmond, Ind.

**FOUR OF THE
FINEST GREENHOUSES
IN THE WORLD**

were built recently with Foley Materials
by the E. G. Hill Co., Richmond, Ind.

Send for Booklet Describing This Range

THE FOLEY M'F'G COMPANY

1133 Broadway
New York, N. Y. **CHICAGO - ILL.**
Main Office and Factory
2510 S. Western Ave.
West End Trust Bldg.
Phila., Pa.

KING



GREENHOUSES

GLASS, HEATING, BENCHES AND ERECTING
IS THE SAME FOR THE BEST OR WORST.

Write for Bulletin and Question Blank

KING CONSTRUCTION CO.

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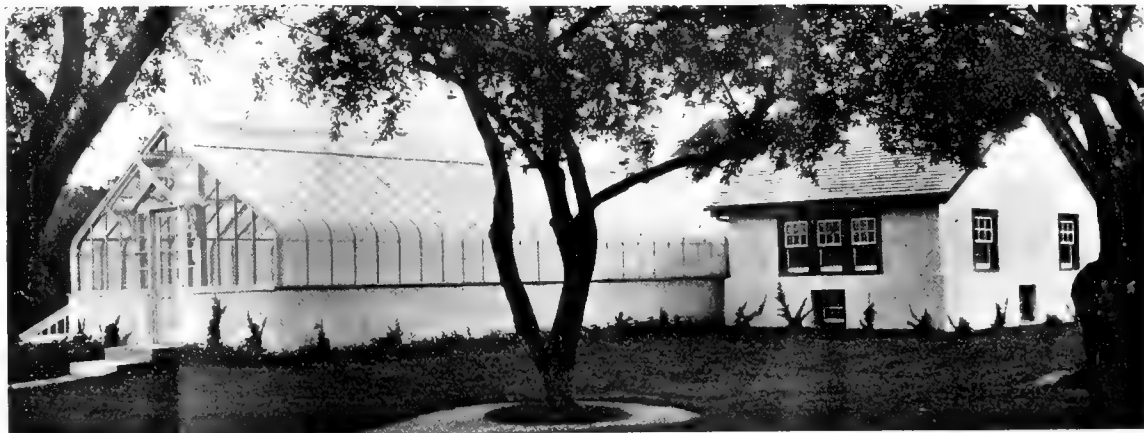
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HORTICULTURE

Vol. XVI.

OCTOBER 12, 1912

No. 15



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SOME FACTS

- 1 You can make more money per square foot of bench space by growing good lilies, than on anything you can produce in the same amount of time.
- 2 The only limit to your profit is that based on your ability to market the cut flowers and plants on a business basis—and this is a big country.
- 3 Expensive greenhouses are unnecessary for their production—lilies will pay for a greenhouse quicker than the profits of any other article.
- 4 The demand is increasing with great rapidity because the flowers can be profitably used for so many purposes—and always appropriately.
- 5 Good lilies are an absolute necessity—just ordinary lilies won't do. They must be of good size, healthy plants, strong crisp flowers to stand shipment, and rough usage when necessary.
- 6 In order to produce good lilies to make possible large profits, you must plant good bulbs and give them proper treatment.
- 7 There is no brand known today that has given the average flowering results, year after year, that will equal the Horseshoe Brand Giganteum record.
- 8 This is because this brand is grown for quality instead of quantity. Experienced men—only the best of planting bulbs—good fertilizer—hand weeding to prevent injury to plants—constant care—disbudding at the right time and not lifted until they are fully matured.
- 9 It is cheaper to buy the best bulbs—a bad lily bulb planted in a greenhouse costs a florist ten times as much as the same bulb costs a Japanese grower to uproot and burn.
- 10 The cost of Horseshoe Brand Giganteum per bulb is consistent with the quality delivered, and owing to this quality the cost per flower is less than any brand known.

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Adiantums

Give all adiantums that are planted out in a bed for cutting, every attention now. Up to March they will not need any shading, but should have the fullest light. It is much better to give adiantums less heat than used to be considered necessary. *Adiantum Farleyense* will want a night temperature of 65 degrees, but *Adiantum Cuneatum* and *cuneatum* will do fine in about 55 degrees at night. A higher temperature produces thinner and softer foliage. When watering give them sufficient water to moisten the soil thoroughly and then let them show signs of dryness before watering again. This will help to keep the soil sweet. Give them liquid manure at short intervals through their growing season.

Araucarias

Now is the time to stock up with these serviceable and decorative conifers. *Araucaria excelsa* is the only one of much commercial value to the florist. Place them in a house where they can have a temperature of from 45 to 50 degrees at night with about 10 degrees higher during bright days. Give an abundance of air as the condition of the weather will allow, but never to the extent of admitting cold draughts. These plants do not like anything like a humid air around them. Root action is now naturally becoming slower, so give attention to watering. They like a moderate amount of water at the roots all the time. Do not crowd these plants for with their spreading branches they require ample room to keep them in proper shape. Where plants are pot-bound they should have some liquid manure once a week in a weak form; this will help to give them a superb color.

Coreopsis grandiflora

This makes very fine stock for Memorial Day trade, with its free blooming qualities; whether for a pot plant or for cutting it will come in good. So where you have some strong clumps dig them up now and pot in either 7, 8 or 10 inch pots. For a compost give them any good rose or carnation soil. Pot firmly and give them a thorough watering. They can be placed in a cold frame and protected against hard freezing. Here they can stay until January when they can be taken in from time to time in batches for forcing.

Crotons

To keep crotons in good shape they should have a night temperature of not less than 65 degrees, but 70 degrees would be better. Keep them well syringed during all bright days. This is a great help in keeping them clean

of spider and thrips which often become very troublesome. These plants always do better when standing over bottom heat so give them such a place when possible. The greatest care is necessary from this out in giving them water at the roots. It is always better to let them become rather dry and then give them a thorough watering; in this way you will keep them in vigorous growth. In order to keep up a humid atmosphere water should be abundantly sprayed on the walks and under the benches. Plants should not be overcrowded; this is a great evil with many growers. To intensify their coloring they should have full sun now, and where the pots are full of roots some weak liquid manure once a week will help them along.

Geraniums

Where you want pot-grown geraniums to flower for Christmas discontinue pinching now as it takes about six weeks for the flower trusses to develop properly. Give winter flowering geraniums a bench where they will get all the possible light and sun and remember that they like plenty of fresh air whenever possible. The proper temperature for these plants is a night temperature of about 50 degrees with a rise of about 10 to 15 degrees with sun heat. There is nothing better to use when the pots are filled with roots than Clay's fertilizer applied as a top dressing. You can use from a half to tablespoonful to a 4 or 6 inch pot. It produces a firm shortjointed growth which always makes them floriferous. Where plants are heavily flowered they should have stakes to keep them from becoming overbalanced. Keep on propagating until you have enough of stock for next year.

Primulas for Christmas

Every florist will have his hands full trying to get his different crops in right shape for the holidays and one of these is primulas. Keep them in a uniform vigor by giving them a house that is light and airy. They should be placed on a bench where they will be well up to the glass; it will keep them from drawing and better their flowering qualities to a big extent. They should be given a nice equalized temperature of from 48 to 50 degrees at night. They will not stand to be pushed by a greater heat without bad results. The frequency that they will require water can only be determined by going over them three or four times a day. See that the plants do not become crowded; go over them often and give a little room where required. They will stand some feeding now in weak doses once a week. There is nothing better than cow manure and a little soot; this will give them that dark green foliage one loves to see.

Mr. Farrell's next notes will be on the following: Azaleas; Care of Callas; Ericas; Lilies for the Holidays; Pandanus Veltchii; Shamrocks for St. Patrick's Day.

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HORTICULTURE

VOL. XVI

OCTOBER 12, 1912

NO. 15

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.**11 Hamilton Place, Boston, Mass.**

Telephone, Oxford 232.

WM. J. STEWART, Editor and Manager.**SUBSCRIPTION PRICE**

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

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Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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Where a united front is needed

Whatever of unnecessary burden the horticultural industries may be compelled to bear on account of the provisions of the new quarantine law which has now gone into effect, this drastic legislation will, we hope, have at least one very promising result, in its lesson to the nurserymen and the florists on the need of a closer alliance and unity of purpose between these two rapidly growing interests. Ever since the sep-

aration of the two sections of the old joint association some twenty-eight years ago, the American Association of Nurserymen and the Society of American Florists have been devoting themselves, mainly, each to its own particular division of the field and thus far joint effort on matters where they appeared to have interests in common has been mostly sporadic and superficial. Both organizations possess elements of strength from which one or the other might benefit greatly in a shoulder to shoulder campaign. The strength which such unity would surely develop will be sorely needed in the near future if we are to judge by the signs of the times. There should be no delay in getting together on some efficient practical and permanent basis and agreeing upon ways and means whereby legislative and corporate reprisals affecting any branch of horticultural industry may be held in check.

A surfeit of literature

Commenting upon the early demise of "The Magazine Flowers," The American Botanist says: "While we note the successive surrender of one out-door magazine after another we often wonder whether there ever will come a time when the general public will forsake nickel theatres and moving picture shows for the more satisfying pleasures of the study of nature." While not presuming to diagnose the trouble which is responsible for the particular mortality which our contemporary deplores we would suggest that this class of publications generally have perhaps been multiplying a little too rapidly. Following the unmistakable trend towards a better appreciation of rural life in recent years, the country has been simply deluged with so-called popular garden and country life literature. Without going into the question as to the intrinsic value of much of this material which is loading down our book shelves it is safe to say that we have far more of it than is needed. The general public may not "forsake nickel theatres and moving picture shows" all at once but they are progressing fairly well, we believe, in the right direction and the school gardening propaganda is probably one of the most potent influences to that end. What is needed now is not more journals but better ones, and a public tuned up to appreciate them and all this will come, gradually but surely.

A challenge for the floral artists

We learn from the Horticultural Trade Journal, London, that "Mr. R. F. Felton is going to the United States National Flower Show at New York next April to act both as judge and decorative demonstrator. The Society of American Florists has apparently heard so much about R. F. F. that they desire either to improve their own knowledge on color schemes, or get a sight of the author of Floral Decoration. One thing is certain, R. F. F. is quite capable of talking up to any U. S. florist that may disagree with him." That this distinguished gentleman is really coming to our show is very gratifying news, especially as a previous rumor to that effect had been declared to be without foundation. He will, we are sure, find appreciative audiences and will have no cause to complain of his reception in America. The trouble with our local florists is that very few of them can ever be induced to come out and face their fellow-workers, either on the platform, in the exhibition hall or even in the club room ranks. We have some floral decorators on this side of the Atlantic who, we think, are the peers of any in the world and well able to entertain and instruct if they were only so disposed. We hope the example of this eminent representative of their art from abroad may have an inspiring effect on our own home talent and lead them to be more willing to display their methods and their handiwork for the benefit of their fellows.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Temperature in Houses

With the weather outside constantly changing the temperature in the houses must be regulated accordingly. On the cool frosty nights do not let the temperature drop down to 54 or less, especially in the Beauty houses. The old theory of hardening the plants does not work well in the long run and if your Beauties drop down to 54 many nights at this season they will likely get a severe check and, once checked, most growers know what it takes to start them off again, if they start at all; or they may grow and grow and grow and yet no signs of a bud anywhere. We find fall a very important part of the season and also that if the stock is handled wrong in the fall it will not do well all winter.

Rest the Plants?

We know a grower who had several benches of fine teas, which cut quite heavy all summer. Following a suggestion of a friend he thought it wise to give these plants a little rest, and then start them up for the coming winter thinking that if the plants were not allowed to produce much in the fall they ought to bloom all the more in winter after a little rest. On being asked afterward if it was wise to rest plants in the fall he remarked: "I rested some once, and they rested nearly all winter." And we are of the same opinion.

Bone Meal

From now on roses should receive an occasional top dressing of bone meal, especially if they are growing freely. We always aim to apply it just before mulching, as the plants get more out of it. The best time to apply bonemeal, if it cannot be followed by a mulch, is when the plants are just breaking for another crop. A dose of feed at this time will help greatly in lengthening the stems and making same much stronger than they would be otherwise. After the bonemeal is applied go over the bench and gently rub the very surface of the soil or mulch over to spread the bonemeal a little more evenly and also to incorporate it with the soil a least bit. Be very careful in doing this, and do not scratch too deep. If you want to know why, then just go and gently remove a portion of the previous mulch or the very surface of the soil. What do you find? Thousands of very fine white roots which are lying there in wait for feed and if these are destroyed by carelessly raking over the benches every now and then, the plants cannot grow properly and of course it is always the soil that is blamed or the location or something similar.

Liquid Manure

Do not be over anxious to feed your plants by applying strong liquid manure. Plants with but little soil that have been producing quite heavily will be benefited

by liquid manure, but plants in general with a benchful of soil will hardly require it as yet. At any rate be careful and not overdo it using liquid manure only about once a week. Making the first dose rather weak, it can be increased in strength until it is as rich as the pipes will carry it. We would not advise using fertilizer of any kind with the liquid manure to be applied early in the season. A little bone meal may be put into it. This is more of a plant food than a stimulant and will do no harm.

With the steam boiler going it will be an easy matter to heat the liquid in the tank enough to start fermentation, providing of course the pipes are arranged in the tank. This will make the liquid available to the plants almost immediately—sort of "predigested" as a grower once told me. His roses certainly looked as if they were getting something out of the ordinary; the strong stems and foliage almost black in color testified the same.

Roses Outside

These will gradually fall off crop now and will soon go to sleep for the winter. Make sure that no water will stand among the plants and lie there frozen for weeks. We find nearly all trees, shrubs, etc., like "dry feet" in the winter and where at all possible see that the ground is so graded that it will drain properly. A little strawy manure put among the plants will give them protection against the sun—yes, the sun—for frost does not hurt them as much as a warm day now and then which starts the sap flowing and then a severe frost following freezes the plant. By saying protect your plants, we mean protect them against changes of weather so that when they freeze they will stay frozen until the time comes for them to start.

Do not be over anxious to apply this protective mulch. Wait until the ground freezes slightly and then apply it to the frozen ground. This of course cannot be done at all times, but it is well to do so where it can be done.

Leaky Propagating Houses

Growers with experience in propagation will know what it is to have a leaky roof over a bench of cuttings. If you have not done so as yet, go over the house at once and give it a coat of paint, and do not be afraid to use putty either. Broken glass should be removed for it is bound to make trouble sooner or later, so it is best to repair it at once and have it over with.

Begonia Christmas Red

The begonia which is the subject of our title page this week is a novelty which bids fair to have a big holiday sale on account of the berry-red color and sparkling effect of the bloom and the compactness and floriferousness of the plant. W. A. Manda is the introducer.

CLUBS AND SOCIETIES

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The club meeting the evening of Oct. 1st. at the Fort Pitt Hotel was well attended. It was Dahlia Night with a fine display from both out-of-town and home exhibitors. H. A. Dreer showed for their leaders Fern and Olivet, a dark crimson cactus, Papa Charme and Catherine Duer, crimson and scarlet decoratives respectively, and their well-known Dreer's White. The Leo Niessen Co. showed a fine line of Peacock's dahlias—very strong in the single Century class. R. Vincent, Jr. & Sons sent the cream of their large collection. Phoenix a dark crimson cactus was a leader, and there was Yellow Colosse, Mrs. Seybold and those charming decoratives Delice and Madame Van den Daele. Randolph & McClements showed a good sized collection of dahlias. Neil McCallum showed *Tilhona speciosa*, a tall growing Mexican plant, seedling dahlias, etc. Walter James showed the "New Idea," a wooden, folding cut flower box invented by himself, which drew a great deal of interest. It is very strong and folds down into less than one-third its size. C. A. Butler showed a very attractive earthenware flower vase, in a peculiar green finish.

In accordance with the request of the chairman of the New York Florist Publicity Committee, it was voted that the President should appoint a local allied committee, the names to be announced later.

Subject for November meeting—Chrysanthemums.

H. P. JOSLIN, Sec'y.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The next regular monthly meeting of the club will be held at Horticultural Hall on Tuesday evening, October 15, 1912, at 8 o'clock. "Chrysanthemums" will be the subject of the evening and one or more experts will speak on their culture. C. H. Totty and other specialists will have flowers on exhibition and a fine floral display is assured.

The banquet of the club to celebrate its silver anniversary will be held at Horticultural Hall on Monday evening, November 11. A noted array of speakers will respond to the various toasts. Tickets may be obtained at the coming club meeting or from any of the club officers or executive committee.

W. N. CRAIG, Sec'y.

TUXEDO HORTICULTURAL SOCIETY.

A regular meeting of this society was held in the parish house, Oct. 2. The chief business was the forthcoming fall show, which will be held in the Tuxedo Club House ballroom on Oct. 25th, 26th and 27th. This room should prove an ideal place for the setting up of the different groups and specimens of miscellaneous plants, palms, orchids, etc., and standard and bush chrysanthemums. There are

classes for chrysanthemum blooms to suit both large and small exhibitors, also for cut roses, carnations and violets, fruit and vegetables. The show is being well patronized by seedsmen and nursermen with money and cups as prizes. All entries should be sent to David D. Miller, secretary of exhibition. Preliminary schedules may be had on application to the secretary of society. Regular meetings of the society are held on the first Wednesday of each month. E. WILSON, Sec'y.

CLUB AND SOCIETY NOTES.

President Wm. Sim has called a meeting of the Sweet Pea Society of America at Horticultural Hall, Boston, on Friday, October 11.

The nominating committee of the Massachusetts Horticultural Society has placed in nomination J. K. M. L. Farquhar of Boston for the presidency of that Society.

The regular monthly meeting of the New York Florists' Club will be held at the club rooms on Monday evening, October 14. It will be "Dahlia night" and a fine display is assured.

The Gardeners' and Florists' Club of Boston will have a banquet in Horticultural Hall, Boston, on November 11, 1912, in celebration of the 25th anniversary of the organization of the club. To be exact, this affair should have come off last January but, nevertheless, there will be a good time now.

The Ohio Horticultural Society will hold its first flower show at Gray's Armory, Cleveland, on November 14 to 16. Besides cups and certificates, cash prizes amounting to nearly \$3000 are offered and if, as one of our correspondents elsewhere says, it requires only liberal prizes to bring out exhibits, then Cleveland is assured of a fine show. Copies of the schedule, rules, etc., may be procured from John A. Stockwell, secretary, 218 City Hall, Cleveland. John Boddy, same address, is chairman of the committee on prizes and exhibitions.

The regular meeting of the Southampton (N. Y.) Horticultural Society was held in Odd Fellows' Hall, October 3rd, President U. G. Ager in the chair. It was voted to offer \$25 in gold for award at the National Flower Show in New York next April, the class to be decided on by the management.

It was voted unanimously to have this Society incorporated, the necessary steps to be taken at next meeting.

The essay committee was instructed to ask Mr. Fullerton, of Wading River, to give a lecture before the Society at some future date. The regular meetings for the winter months are the first and third Thursdays of each month. WM. McLEOD, Sec'y.

The Yonkers (N. Y.) Horticultural Society held the regular monthly meeting in Hollywood Inn on Friday evening, Oct. 4th. President Howard Nichols presiding.

The fall show will be held in the Armory, Oct. 30, 31 and Nov. 1, and it will surpass any flower show previously held in Yonkers. Two beautiful silver cups, each valued at fifty dollars will be awarded, one for specimen bush chrysanthemum, and the other for the best twenty-four large blooms, eight varieties. The Armory is a fine big building, so the exhibitors will have an opportunity to display their exhibits to advantage, and will be able to arrange them with comfort. It is hoped the competition will be strong in all the classes, as the committee have been busy all season, and have the work well advanced. It now remains for the exhibitors to come forward and put up a good fight for the cups already mentioned, as well as for other cups, medals, etc., in the various classes.

The fifty-eighth annual meeting of the Western New York Horticultural Society will this year be held in Convention Hall, Rochester, N. Y., December 11, 12 and 13, as provided by special vote of the society at its last meeting. The principal explanation for this arrangement lies in the fact that the Rochester Chamber of Commerce had announced its intention to hold another and a larger Apple Show in this city the latter part of November or early in December, and it was suggested that it would be a good idea for this society to hold its meeting about the same time to show its sympathy with the efforts of the Chamber of Commerce to boom the fruit interests of New York State.

At the present writing, however, it is doubtful if the Apple Show will be held, but, whatever may be the ultimate decision of the Chamber of Commerce, the announcement has gone out that our meeting will be held on the dates specified, and plans have been perfected for the same. Judging from the opinions which have been expressed, the proposition to hold the annual meeting early in December is receiving very general endorsement, and we look for a large attendance.

JOHN HALL, Sec.

A genuine lovefeast was enjoyed by over thirty Detroit florists who went by special car to Toledo, O., in pursuance of the cordial invitation of the florists there. Chaperoned by the Toledo boys they went visiting from place to place and partook of a delicious noon repast at Cushman's. The afternoon was spent just as pleasantly and the final seal of friendship was attached with a dinner at the Commerce Club.

Detroit, Mich.—J. A. Stahelin moved the four houses, each 35x173, built last year, over a field of carnations cultivated during the summer, also four new houses 36x173 built by Garland during the past summer. The work was done by nine men in less than a day and everything went off without hitch, not even breaking a pane of glass.

FOREIGN NOTES.

The time flies and few things in horticulture remind us of more than the frequency with which the great quinquennial shows at Ghent come round. Next April we are to have another and in conjunction therewith an International Horticultural Congress will be held, at which horticulturists, native or foreign, are invited to participate. A circular has been issued with form of proposed membership. The fee is one dollar, and it may be taken for granted that Belgian hospitality will, as usual, be lavish and cordial. Besides the useful and instructive there will be festive gatherings and those wishing to take part may obtain full details from the Secretary, M. Ed. Rodigas, 79 Avenue Chazal, Brussels, Belgium.

French Gardeners in London.

On Saturday September 7th, a most enjoyable day's outing was offered to the young French gardeners belonging to the Societe Francaise d'Horticulture de Londres. The firm of James Carter & Co., invited the Society to visit their new establishment at Raynes Park. About 400 of the young Frenchmen accepted and were accompanied by some half-dozen of the English members of the Society. A hearty welcome was extended by Mr. Harold Beale who showed the party around what must be regarded as one of the most up-to-date seed establishments in England.

After a thorough inspection of all departments of the big seed house, the party was conducted to the dining hall. Mr. Harold Beale occupied the chair and a splendid lunch was served—nothing but champagne being provided except a choice liqueur at the finish. Then in a few well-chosen words dear old papa Schneider arose and as president of the French Society thanked as only a Frenchman can, the hosts for their great kindness and hospitality towards the young foreigners who most heartily appreciated the visit.

Electroculture.

Electricity is nowadays an important factor in our lives. Applied to horticulture it has problems that will interest all engaged in Adam's craft. We learn that the first International Congress of Electroculture has been decided upon and that it will take place at Rheims, France, on the 24th to 26th of October.

Mme. Philippe de Vilmorin.

We are sure that all our readers who know this charming lady, the wife of one of the most eminent and most widely respected French horticulturists will rejoice with us in learning that the French government has recently conferred upon her the Cross of Chevalier of the Merite Agricole for her services in horticulture. There are few great gatherings of nurserymen in Europe where this lady is not to be seen with her husband and in a country like France where woman holds an important place, it is only reasonable that honors should be bestowed upon them for meritorious services rendered.

M. George Gibault.

Our old and valued friend, M. George Gibault, the librarian of the National

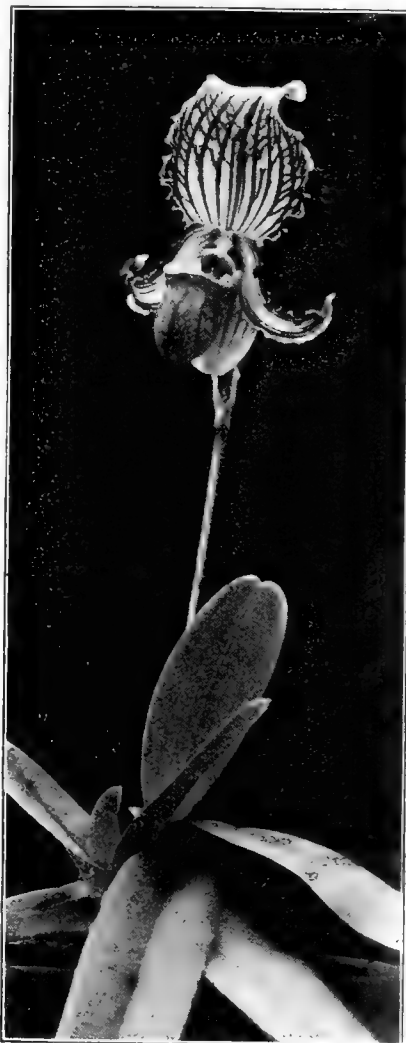
Horticultural Society of France, has just been appointed a corresponding member of the Royal Horticultural Society of London, England. M. Gibault is a great authority on horticultural and botanical literature and well deserves the distinction.

C. HARMAN PAYNE.

CYPRIPEDIUM FAIRRIEANUM.

The accompanying illustration represents a good variety of this dainty little cypripedium having the dorsal sepal much more open on top than is generally the case in this species.

C. Fairrieianum is by no means an easy subject to grow, at least I don't



find it to be so. The best location for it seems to be a cool shady place in the cattleya house near the glass. Perhaps the use of pieces of limestone in place of potsherds would be more to its liking. At the last potting I mixed small pieces of old plaster in with the loam (as I cannot get any limestone around here) and they seem to like it, for they have made considerable headway since then. It would be interesting to hear the experience of other gardeners with this cypripedium.

M. J. POPE.

Naugatuck, Conn.

Petaluma, Calif. — The Main Street Nursery has been purchased by Henry Schnabel, formerly of Stanford University, Calif. In addition to nursery stock he will handle cut flowers.

ADVERTISING VS. READING MATTER.

Dear Sir:—Your first paragraph in editorial column of October 5th inst., under the title, "Advice Accepted," has struck me with more than ordinary interest, for I always had strong views regarding the subject therein mentioned. I have never ceased wondering how editors or publishers should be so apparently indifferent regarding the permanent merits of their respective publications as a repository of helpful reference for all time, in burdening their publications with bizarre advertisements throughout the reading matter, when the interest of both advertisements and reading matter could be as well and as effectually met separately. The self-effacement from an honorary place on the shelves of private or public libraries of those publications that pursue this course is sufficiently eloquent to point out its errors. When you were but very young at your post of conducting HORTICULTURE editorially, and but a few numbers had been issued, I happened to be at your office; you asked me how I liked the new paper. Answering, I said that I liked it very well; adding, that I should like it much better if the advertising matter were "confined to the cover pages," as it should from my way of looking at it, and if permanent usefulness and personal pride on the part of the promoters had anything to do with its welfare, quoting as examples, the English Chronicle, the English Garden, the Deutsche Gartner-Zeitung, and others to support my contention. You will pardon me if I feel somewhat elated at this late date to find others thinking as I did then, evoking such applause at Chicago as you tell us in the paragraphs referred to, as to convince your experienced self to remark that there was "Something in it."

Be assured, that although this note is addressed to you, that HORTICULTURE or its management is neither more nor less considered involved in the argument than its contemporaries. Let us have the arguments; much good is evolved from well-meant ones.

K. FINLAYSON.

NOTES FROM GERMANY.

Charles Lenker, of Freeport, N. Y., who is traveling in Germany, writes interestingly of the flower business as he found it in Hamburg. He says that chrysanthemums of very good mid-season varieties, such as Robinsons, are bringing \$3.00 per dozen and carnations such as Enchantress, Beacon, White Perfection and Daheim from \$4.00 to \$8.00 per 100 wholesale. In the latter "spliffs" have to be taken along, as no culling is allowed. Asters are very poor, the stuff offered in some of the best stores being such that no American store of any pretensions would look at. Lily of the valley is about half a crop this year; there are whole fields that will have to be left for another year, the extreme dry season having left them with only about one-half flowering pips, so that it would not pay to dig them.

Mr. Lenker comments in characteristic philosophical manner of the inconvenience he had to undergo on account of having had his baggage left behind at Hoboken. His visit, following Hamburg will include Quedlinburg, Leipzig and Dresden.

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Try the New Hybrid Polyantha "Orleans," the best of all the Polyanthas, for Forcing or the Garden.

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THE EXHIBITIONS

FRUIT AND VEGETABLE SHOW AT BOSTON.

Boston-grown apples measuring 16½ inches in circumference, weighing a pound and three-quarters were features of the annual fruit and vegetable exhibition of the Massachusetts Horticultural Society which was opened at Horticultural Hall, Oct. 4. These were exhibited by Martin Meehan. These big apples were only one feature of an excellent show. There were peaches, pears, plums and the largest variety of grapes ever seen in the hall. There were vegetables of all kinds and although this was in no sense a flower show there were orchids and cut flowers which lent color to the exhibit. In the latter class Mrs. John L. Gardner (William Thatcher, gardener) showed a splendid collection of orchids, and E. B. Dane showed the handsomest Vanda Sanderiana ever seen in the hall, and for which a silver medal was awarded.

The list of awards in the fruit classes was a very lengthy one and covered all accepted popular varieties separately as well as collections.

When the judges of vegetables began work they found it cut out for them, for the collections were many and of high quality, while the single exhibits were so good that it was difficult to decide between them. Colonel Frederick Mason of Taunton (E. L. Lewis, gardener), W. J. Clemson of Taunton (J. O. Christenson, gardener), Oliver Ames of North Easton (Ed Parker, gardener), and Wm. Whitman of Brookline (Martin Sullivan gardener), had large exhibits, most attractively arranged. The Boston Consumptives Hospital (Martin Meehan, gardener), showed a squash which weighed 110 pounds. Colonel Mason had giant peppers sixteen inches in circumference and T. D. Hatfield of Wellesley showed a vegetable marrow which weighed thirty-five pounds. Collections of vegetables were also shown by Michael Cahalan of Taunton and David L. Fiske of Grafton, while the exhibitors in the single classes were legion.

OYSTER BAY HORTICULTURAL SOCIETY.

The Oyster Bay Horticultural Society, organized last March, held its first exhibition at the Truck House, Oyster Bay, New York, on October 1 and 2. It was all that could be expected in the way of a fine display of flowers,

plants, vegetables and fruit, and its success was very encouraging to the officers and other promoters, all of whom had worked hard to bring it about. The names of the owners of several of the beautiful private estates in the neighborhood were prominent in the list of prize winners. The gardeners thus represented included James Duthie, Alfred Walker, Fred. Hobschman, Frank Kyle and Floyd Blowers. The school children's competition aroused much interest. Alex MacKenzie and J. W. Everitt of Glen Cove and H. Funnell of Huntington, were the judges.

PENNSYLVANIA HORTICULTURAL SOCIETY.

Arrangements for the annual Chrysanthemum Show are actively under way. The joint committee of the Society and the Florists' Club has had several meetings and report a number of new and interesting attractions. One of these is a prize of \$50 for twenty-five American Beauty roses offered to commercial growers by the private gardeners. Another is an offer by E. A. Stroud of a plant of hardy chrysanthemums to any boy or girl who will agree to grow same in pot and exhibit at the fall show of 1913 for a prize. W. A. Manda and C. H. Totty have agreed to send interesting and instructive exhibits. The show opens November 5th. Schedule of prizes may be obtained by addressing the secretary, David Rust, Broad and Locust streets, Philadelphia.

Among the prize winners at the Brockton (Mass.) Fair this year, in the floricultural department were Waban Rose Conservatories, H. M. Robinson & Co., J. K. Alexander, Geo. H. Walker, Sisson & Thurston, D. C. Hathaway, W. D. Hathaway and other well known names.

DURING RECESS.

Bowling Score of the Cook Co. Florists' Association.

ROSES.		ORCHIDS.	
Go'rich	183 138 166	Ross,	152 167 125
Vilner,	112 111 92	Graff,	172 180 186
Price,	144 159 163	Cohen,	92 94 114
Ryers,	154 175 141	George O.	131 143 138
Fischer,	145 138 171	J. Zech,	151 182 164
VIOLETS.		CARNATIONS.	
A.H'bner	162 154 147	Lorman,	147 113 149
Jacobs,	167 137 127	L'b'm'n,	124 140 131
Cole,	128 130 123	Armst'g,	121 140 115
Schultz,	147 176 122	Brunko,	131 110 119
J.H'mer,	157 134 149	A. Zech,	194 177 182

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Double Pink Killarney, Radlance, Mrs. Taft, Mrs. Wardell, My Maryland, Harry Kirk, \$10.00 per 100.

Pink Killarney, White Killarney, Kaiserin Augusta Victoria, Richmond, Perle, Sunrise, Sunset, American Beauty, \$8.00 per 100.

Bride, Bridesmaid, Bon Silene, La France, Gruss an Teplitz, Clothilde Souper, Souvenir de Wootton, \$7.00 per 100; \$60.00 per 1000.

Grafted, 3-inch pots.

Mrs. Taft, Pink Killarney, Maryland, Mrs. Wardell, Kaiserin, Bride, Bridesmaid, \$15.00 per 100.

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CALLAS in bloom, 5 in. and 6 in. pots.	\$7.50
DAISIES, QUEEN ALEXANDRA, 4 in.	7.50
WINTER-FLOWERING MYOSOTIS, started from cuttings, 4 in.....	7.50
SPRENGERII, 2½ in.....	2.25
HATCHERII SEED, 1000.....	7.50

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ROOSEVELT, 2 1-2 in.; \$6 per 100; \$50 per 1000. 250 plants at 1000 rates.

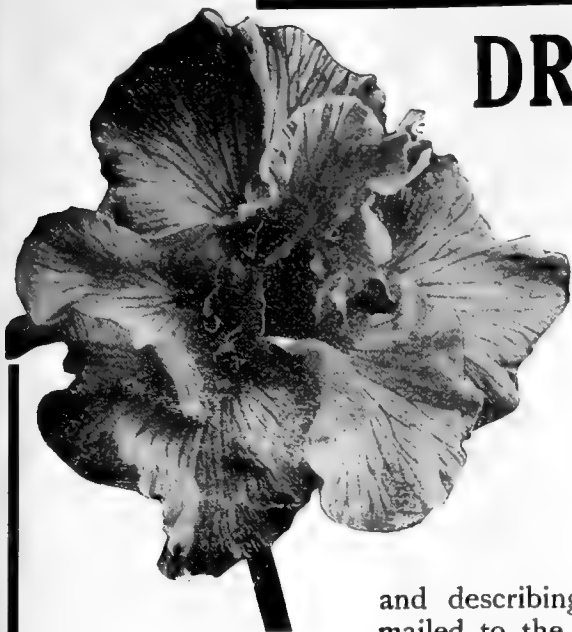
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Seed Trade

Wholesale Seedsmen's League.

The Wholesale Seedsmen's League met at the Hardware Club in New York, on Thursday, the 3rd inst., and as customary at such meetings discussed suggestive prices for the coming season. We are advised that the members found it unusually difficult to fix prices this year because of the contradictions and uncertainties of our crop conditions. We learn that some items were passed over and no prices fixed, but of course are unable to give any detailed information as to what transpired at the meeting. We presume that following the usual custom copies of the prices suggested will be mailed to all members of the League and many of the leading houses not members. In due time we shall be able to learn what the prices were and in a general way we believe that they are somewhat lower than last year, particularly on peas.

Many Seed Crops Immature.

It seems not improbable that beans may be higher; also a number of varieties of cabbage. This is based on information as to the very light yields of cabbage and a very unsatisfactory condition of the bean crop. It is reported that many varieties are still so green or immature that they are quite suitable for the table even at this late date. Undoubtedly this condition is the result of the very frequent and almost continuous rains of the past two months, which have prevented the crop from maturing, and kept it in a soft if not green condition. As a matter of fact, even peas were so affected, some varieties remaining green up to very near the 1st of October, whereas they should have been ripe under normal conditions by the 1st of September.

Peas and Beans Ripening Poorly.

Referring to peas, we are advised that the early optimistic estimates have proved to be greatly out of line, many growers finding it necessary to reduce their figures from 10 to 40 per cent. This discrepancy between conditions today and the early estimates is largely due to the reasons given above; namely, too much rain and moisture which prevented the peas from ripening, and which situation, of course, could not have been anticipated by those who made the field estimates.

The latest information about sweet corn is that the crop may prove, like peas and beans, somewhat disappointing. It seems that considerable of the corn is yet soft and very susceptible to a freeze, which would ruin a considerable percentage of it; consequently, nothing definite can be said as to the corn crop.

The Potato Situation.

The order issued by the Secretary of Agriculture, Mr. Wilson, prohibiting the importation of foreign potatoes will doubtless be appreciated by the seed trade. To be sure the order is not absolutely prohibitive, but does affect those countries from which we have drawn most heavily in years of shortage; and while this cannot be said to be a year of shortage, yet prices remain surprisingly strong in

the face of the very large crop, according to the figures of the Department of Agriculture.

We referred in a recent issue to rot which had attacked potatoes, and are inclined to believe that this is doubtless a cause for the present strong prices. If the tubers were sound and hard as a year ago there is no doubt that present market values could not be maintained. We have not learned how general this rot trouble is, but are advised that there is more or less complaint from Maine growers and also from the West.

Onions Also Soft.

By the way, while speaking of potatoes, we may remark that while the onion crop is a very large one, similar complaints are being made as of the potatoes. Too much rain prevented the onions from properly drying down and a large percentage had green tops when harvesting. Therefore under such circumstances the keeping qualities would not be very high, and doubtless large handlers of onions appreciate this fact, as they are not buying liberally despite the low prices, preferring to let the farmer winter the stock and to pay the market value in the spring. The bulbs, or at least a large percentage of them, are very watery and more or less soft, and if the winter proves to be a warm open one they will rot down like snow under an April sun. All of which will in due time affect the demand for onion seed.

A Baseless Rumor.

We have been advised on the highest authority that the rumor which has been in circulation for the past week or ten days, that Sutton & Son of England, had taken over the business of J. M. Thorburn & Company, and that Mr. Alexander Forbes, recently with Peter Henderson & Company, was to become manager, is a pure invention, absolutely without any foundation in fact. We have not learned anything about Mr. Forbes' plans, but presume he has a definite purpose in view, which will doubtless materialize in due time, and in any event he has our best wishes.

Grass Seed Crop.

Barenbrug, Burgers & Co., grass-seed specialists, Arnheim, Holland, report that after a number of years following one another in succession unfavorable to the cultivation of the majority of grasses, so far as yields are concerned, they have this time to report a crop of natural grasses, both in home and foreign growing districts, nearly all of which may be called very satisfactory, both in regard to yield and quality. The exceptions are *hard* and *sheeps* and *fine-leaved fescues* and *rough-stalked meadow* only.

Achillea Millefolium (Yarrow), gave a fair crop of nice healthy seed, which will be obtainable at reasonable prices.

Agrostis Stolonifera (Marsh or Creeping Bentgrass). Early prospects pointed to a good crop. Unfortunately a great deal has gone lost and the quality has suffered much by the showery weather which started when the crop was just about to be cut and which lasted over four weeks.

Aira Caespitosa (Tufted Hairgrass) gave an average crop of good heavy

quality and will sell at average prices. *Aira Flexuosa* (Wavy Mountain Hairgrass) yielded a crop somewhat less than average.

Alopecurus Pratensis (Meadow Fox-tail). A very good crop of nice seed of heavier weight and greater cleanliness than for the last few years; price rather under average.

Anthoxanthum Odoratum (Sweet-scented Vernal, true) failed almost entirely in some districts whereas in others it yielded a crop under average. A tendency for a further rise in price.

Anthoxanthum Odoratum, Puelli (Sweet Vernal, Puelli) average crop of good quality. Prices opened at about two-thirds those of last year.

Avena Elatior (Tall Oatgrass). A good crop which will sell at even lower prices than the previous season.

Avena Flavescens (Yellow Oatgrass, true) produced a good crop of excellent quality and selling cheaper than last year.

Cynosurus Cristatus (Crested Dogstail). Apart from a few early exceptional lots, the quality on the whole will be but a poor one. About three-fifths of an average crop. We think that the better qualities will fetch somewhat higher prices than last season.

Dactylis Glomerata (Cocksfoot or Orchard-grass). New Zealand reports a good crop so far as quantity is concerned but one that is wholly unsatisfactory for quality. Very little seed is suited for export to Europe, where the better grades are required. Just the same is reported from the United States where, likewise, a good yield was recorded, but where three-fourths of the seed are of so poor a quality, that it won't do for export.

Festuca Duriuscula and *Ovina* (Hard and Sheep's Fescue), form an exception to the general rule of good crops in 1912. We estimate this season's yield at from 70 to 80 per cent that of last season. The seeds were bought from the farmers at much the same prices as last year, so that the dressed seeds will sell at about equal value as the previous season.

Festuca Elatior (Tall Fescue) yielded about an average crop so far as quantity is concerned but of a rather light quality. Moderate quotations will be in accordance with the market value of *Meadow fescue*.

Festuca Ovina *Tenuifolia* (Fine-leaved Sheep's Fescue) unsatisfactory, at best one half of an average yield. The quality, on the other hand, is a good deal better than last year.

Festuca Pratensis (Meadow Fescue). This shows perhaps the greatest fall in price this year of any of the various grasses and clovers. After a few years of exceedingly short crops and enormously high prices, this article appears to have yielded this time very good crops indeed. The article now sells "fancy" grade about one-quarter of last year's price.

Festuca Rubra (Red Fescue). This season's seed is of a good nice quality and sells some 10 to 15 per cent cheaper than the previous season.

Phleum Pratense (Timothy) yielded a good crop in America, both in regard to quantity and quality, the quality being better than has been the case for the last few years. Prices have greatly come down compared with the last two seasons. Very little definite is known as yet in regard to

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JOHN WATERER & SONS, LIM'D.
**AMERICAN NURSERIES, BAGSHOT, SURREY,
ENGLAND**

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TWO SILVER CUPS “ “
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NEW PLANTS, etc.?**

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GROWERS OF HIGH GRADE NURSERY STOCK
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BEDDING AND NATURALIZING. We have made arrangements with the leading growers to have our bulbs specially selected.

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Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

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THE BAY STATE NURSERIES, North Abington, Mass.

PLANTERS AMATEURS NURSERYMEN

APPLY FOR THE GENERAL
ILLUSTRATED CATALOGUE OF

Furst's Nurseries
Jette-Brussels, Belgium

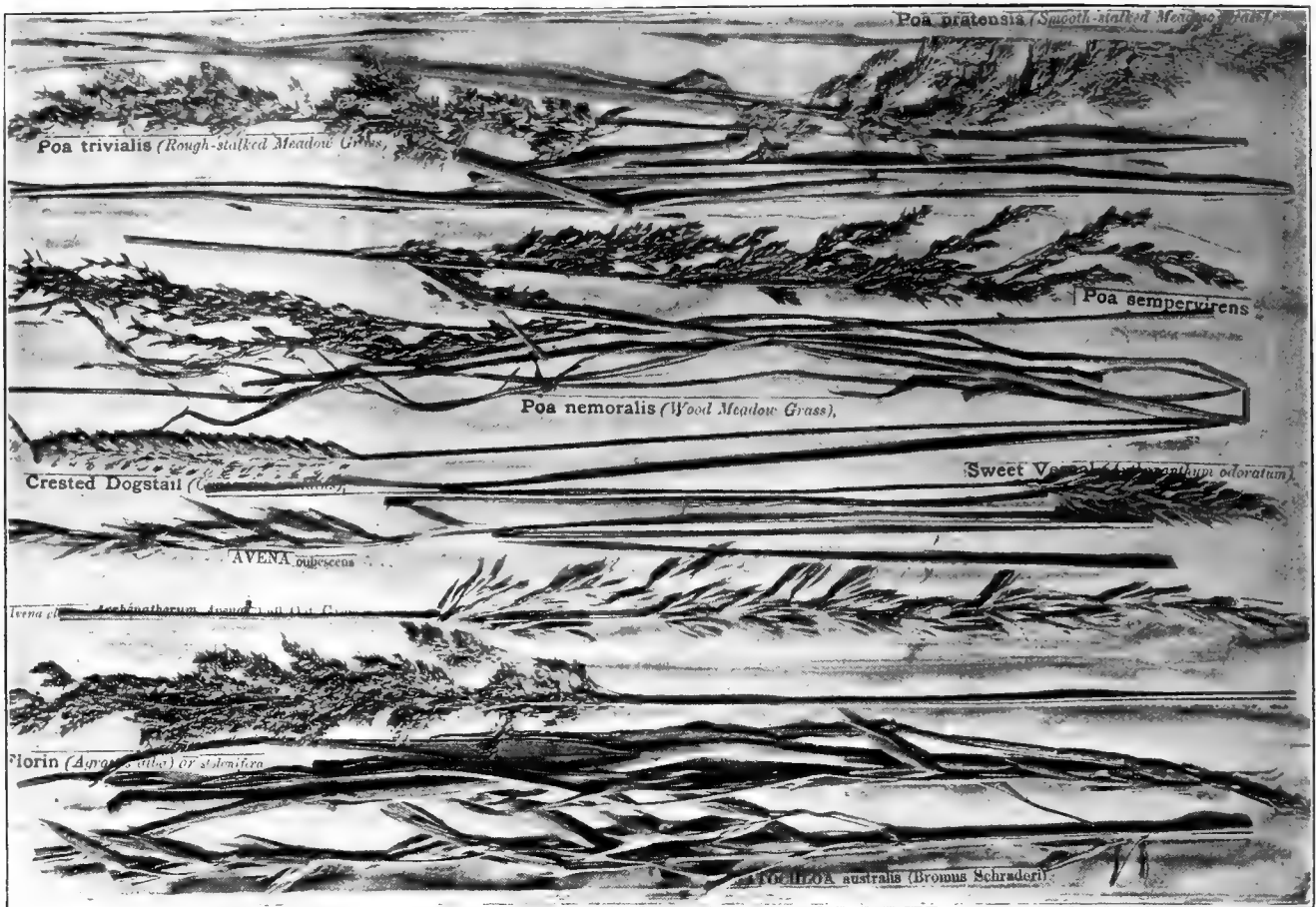
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Nursery Stock

Fruit and Ornamental Trees, Shrubs,
Small Fruits, Clematis, Evergreens
and Roses.

Write for Trade List
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SOME VALUABLE GRASSES.



Here is a leaf from a seedsman's herbarium. It shows some of the characteristics of some of the least known and finer grasses for lawns, pastures, etc., better, we think, than they have ever been done before.

the European crop of Timothy. But we think, whatever the out-turn may be, it will be the American seed that will take the lead.

Poa Nemoralis (Wood Meadow-grass). A very good crop both in regard to quantity and quality, of excellent weight and purity. The price has come down further and the recleaned seed sells now at from \$4.00 to \$6.00 less than the previous season.

Poa Pratensis (Smooth-stalked Meadow-grass) yielded the largest crop witnessed for the last 5 to 10 years. The seed is of a bright heavy quality. Quotations came down to a very low point, but the price has since gone up again some 40 to 50 cents in view of the large orders coming in.

Poa Trivialis (Rough-stalked Meadow-grass). An unsatisfactory crop so far as quantity is concerned. Whatever has come through, however, is of good quality of satisfactory purity and growth.

Lolium Perenne and *Italicum* (Perennial and Italian Ryegrass). Both of these had to sustain a long period of wet weather and both crops have been badly impaired. The bushel weight will on an average be three to four lbs less.

Lolium Westerwoldicum (Westerwold Italian, Annual variety). A fair crop. Germination the highest ever attained (96 99 per cent).

Notes.

Liberal, Mo.—The capital stock of the Libscomb Grain & Seed Co. has

been increased from \$30,000 to \$75,000.

Lagrange, Ga.—An interest in the seed and plant business of E. L. Johnson has been purchased by R. M. Priddy.

Wichita, Kan.—It is reported that the Central Feed and Seed Store, 243 North Main street, has been placed in the hands of a receiver.

Tampa, Fla.—A warehouse and office building is being erected on Polk street by Crenshaw Bros. & Saffold. It will occupy half a block.

Holmes Seed Company of Harrisburg, Pa., has moved from Market square to 119 South Second street, where they will occupy a five-story building.

Council Bluffs, Iowa—The Shugart-Ouren Seed Co. is now a corporation with C. G. Ouren, president; F. R. Davis, vice-president; J. P. Davis, secretary; A. P. Schofield, treasurer.

Council Bluffs, Iowa—A two-story brick building is being erected by the De Giorgi Bros., seed growers, at Fourteenth avenue and Third street. It will be used for offices and warehouse.

The importation of potatoes into the United States from Newfoundland, the islands of St. Pierre and Miquelon, Great Britain, including England, Scotland, Wales, and Ireland, Germany and Austria-Hungary has been forbidden by

the Department of Agriculture under authority of the Plant Quarantine Act, in order, it is stated, to prevent the introduction of the disease known as potato wart, black scab, etc.

S. D. Woodruff & Sons report unusually brisk business on the seed market during the past two months. Their own advance orders for seeds, seed potatoes and onion sets far exceed anything that this firm has booked in former years. They say the trade in general now realizes the shortage in such items as carrots, beets, parsley, turnip, globe onion, and to these will soon be added sweet corn, beans and peas.

Ravages of the gipsy moth and the brown tail moth on growing trees, shrubs and grasses, especially in the vicinity of Boston, will be the subject of a hearing before the Federal Horticultural Board at the Department of Agriculture, Oct. 30. The hearing will decide whether there shall be a quarantine against the shipment of products liable to carry the moths into other localities in the United States.

Within a period of three years (1909 to 1912) the annual export from the United States to Canada of agricultural implements has increased from \$2,313,556 to \$6,347,082, the chief growth under this head occurring in exports of plows, which increased from \$792,829 in 1909 to \$1,760,045 in 1912.

Our Introduction for 1913**The New Clear Scarlet Bedding Geranium****"HELEN MICHELL"****ITS MERITS:**

1. The **Finest Scarlet Geranium** ever introduced.
2. The **only** scarlet variety, which blooms all summer.
3. The **largest** truss and single bloom of any.
4. Is semi-double, compact and medium dwarf.
5. Has **most** blooms to a single plant.
6. The **best** Propagator of all.
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8. Blooms early and continuous.

ALL IN ALL

THE BEST MONEY-MAKER FOR THE FLORIST.

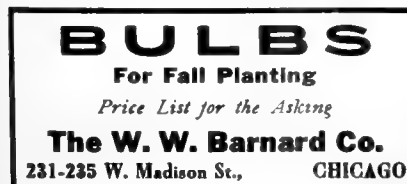
Orders booked now are filled in rotation as received from January 1913 onward.

2 1/2 inch pots, \$2.50 doz.; \$15.00 per 100; \$125.00 per 1000

\$50.00 IN GOLD WE OFFER as a prize for the best 4-in. pot of "Helen Michell" to be competed for at the National Flower Show, at New York, April, 1913.

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518 Market Street, Phila., Pa.

**Fall Bulbs Selling Fast**

Still have stock of all late and a few early varieties.

Special Prices.**FREESIA REFRACTA ALBA.**

Extra Large, \$6.75 per thousand.
Mammoth Bulbs, \$1.00 per hundred. \$9.00 per thousand.

LILIAM HARRISII,

6-7 inches, \$3.50 per hundred.
\$0.75 per dozen.

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POINSETTIAS 2 1-2 in. strong, \$5 per 100; \$45 per 1000
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Stocks, Asters, Chinese Primulas, &c.

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ONION SETS
Write for Prices

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IT will pay you to watch this space each week for we are giving a good deal of thought to the message.

Our usual *usually* high grade Lily of the Valley pips, Hamburg or Berlin at \$11.00 per case of 1,000 or \$30.00 per case of 3,000; pips due to arrive end of November.

We suggest that you get your order in early; it will have our prompt and careful attention.

We want you to have our Bulb Catalogue. If you have not received it, write to-day.

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Double Narcissus Von Sion

Extra Selected 5 1/2-6 1/2 circum.

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AYRES' WINTER FLOWERING SWEET PEA SEED

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The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

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Of Interest to Retail Florists

Hillside, Ore.—The Western Floral Co. is succeeded by W. C. Hoffman.

St. Louis, Mo.—The flower store of Edward Westmann, 3166 South Grand avenue, has been closed.

St. Louis, Mo.—The Grosvenor Gardens flower store, Edwin Hay, proprietor, has been closed.

Spokane, Wash.—The stock and fixtures of the Winters Floral Co., 5 Lincoln street, have been purchased by Burnett Bros.

New York, N. Y.—Craig Muir, florist, has moved to West Fortieth street, near Sixth avenue, from his old location at 41 West 42nd street.

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow...Oct. 25
American.

St. Paul, N. Y.-Southampton...Oct. 19
Atlantic Transport.

Minnetonka, N. Y.-London...Oct. 19
Cunard.

Laconia, Boston-Liverpool...Oct. 19
Caronia, N. Y.-Liverpool...Oct. 19
Mauretania, N. Y.-Liverpool...Oct. 23
Hamburg-American.

Amerika, N. Y.-Hamburg...Oct. 17
Patricia, N. Y.-Hamburg...Oct. 19
Holland-America.

Ryndam, N. Y.-Rotterdam...Oct. 15
Rotterdam, N. Y.-Rotterdam...Oct. 22
Leyland.

Devonian, Boston-Liverpool...Oct. 19
Canadian, Boston-Liverpool...Oct. 26
North German Lloyd.

K'n'p'z Wilhelm, N. Y.-Br'm'n...Oct. 15
Gr. Kurfuerst, N. Y.-Br'm'n...Oct. 16
Pr. Fried. Wil., N. Y.-Br'm'n...Oct. 19
K. Wilhelm II., N. Y.-Br'm'n...Oct. 22
Red Star.

Finland, N. Y.-Antwerp...Oct. 19
Vaderland, N. Y.-Antwerp...Oct. 26
White Star.

Adriatic, N. Y.-Liverpool...Oct. 16
Olympic, N. Y.-Shampton...Oct. 19
Cretic, Boston-Mediterranean...Oct. 19
Arabic, Boston-Liverpool...Oct. 22
Baltic, N. Y.-Liverpool...Oct. 24

NEW FLOWER STORES.

Brooklyn, N. Y.—Borough Hall Florist, 59 Court street.

New York, N. Y.—Carl Kamman, 31 West Fifty-eighth street.

Minneapolis, Minn. — William F. Holmes, 910 Nicollet avenue.

New York, N. Y.—George Daides, Amsterdam avenue and 110th street.

Brooklyn, N. Y.—J. Abrams, florist, has moved from 115 Seventh avenue to his new store at 123.

Albany, N. Y.—The Rosery, 76 Maiden lane will open a new store at 23 Steuben street about Nov. 1.

IRWIN BERTERMANN, Indianapolis, Pres.
W. F. GUDE, Washington, Vice-President.
W. L. ROCK, Treasurer, Kansas City.

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Can be relied upon when you transfer your
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We cover the entire Pacific Coast and West
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Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 78 Maiden
Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Ed. MacMulkin, 194 Boylston St.
Boston—Penn, the Florist, 37-43 Brom-
field St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Phillip L. Carbone, 342 Boylston
St.

Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912
Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.

Detroit, Mich.—Florists' Telegraph De-
liveries, 153 Bates St.

Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Wash-
ington Sq.

New York—George M. Stumpp, 761 Fifth
Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St.
and Madison Ave.

Providence, R. I.—T. J. Johnston & Co.,
171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main
St., West.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

San Francisco, Cal.—The California
Florist, 344-346 Geary St.

San Francisco, Cal.—Pelicano, Rossi &
Co., 123 Kearny St.

Schenectady, N. Y.—J. C. Hatcher.

St. Paul—Holm & Olsen, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Wellesley, Mass.—Talby.

Worcester, Mass.—H. F. A. Lange.

NEWS NOTES.

Moline, Ill.—A nursery is being es-
tablished here on South Fifteenth
street by Henry Klehm.

South Sudbury, Mass. — Vincenzo
Femia has purchased the greenhouses
formerly owned by Mrs. Isadore Good-
now.

Hingham, Mass.—Herbert F. Vining,
who has been conducting the green-
house business left by his brother, has
severed his connection with the busi-
ness.

Plains, Mont.—A new company has
been organized here under the name
of the Rocky Mountain Nurseries and
Orchard Development Co. A. P.
Marsh is manager.

Providence, R. I.—L. Engel intends
to give up his store on Weybosset
street as he has leased the floral de-
partment of the Shepard Co. Fred C.
Covill has opened a flower store on
the main floor of L. Dimond & Co.'s
department store.

Oak leaves in autumn tints, chry-
santhemums, cosmos, cattleyas and
Killarney roses make a very success-
ful and admirable combination as
used in window adornment and basket
work this week by Penn, Boston.

BOSTON, MASS.

Penn the Florist

"Penn. The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET

TRANSFER

Your orders for flower or plant de-
livery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston



GUDE BROS. CO.
FLORISTS
1214 F ST., NW
WASHINGTON, D. C.

**WASHINGTON,
D. C.**

GUDE'S

Member Florists'
Telegraph Delivery.

Chicago.

A. LANGE,

25 E. MADISON ST.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TALBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 44-3.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you
require, and for what kind of cut flowers you wish
to use the refrigerator; also state whether you
want it for display or only for storage.

McCray Refrigerator Co.,
553 Lake Street, Kendallville, Ind.

Mention Horticulture when you write.

BOSTON FLOWER EXCHANGE.

The Boston Flower Exchange has
finally concluded negotiations for the
new quarters at 1 and 3 Winthrop
Square, but they will not move from
Park street before March 1, as the
present tenants' lease extends to Jan.
1 and there will be some extensive al-
terations needed. The location is first-
class for a flower market, the floor
space being very extensive and the
large open square affording unlimited
room for wagons and autos. Two
large wholesale houses, Welch Bros.
and N. F. McCarthy & Co. are already
in that vicinity and the concentration
will no doubt be an advantage to all.

The Flower Exchange has declared
a 10 per cent. dividend, payable Oct.
26, on the evening of which day the
annual dinner of the corporation will
take place.

PHILADELPHIA NOTES.

John Wilson is now manager of the Kugler Flower Shop in connection with Kugler's restaurant, vice Mr. Keffer resigned. The latter is reported intending to open a new retail store at Broad and Walnut streets opposite the Ritz-Carlton Hotel.

B. Eschner, of M. Rice & Co. remarks on the many large orders for baskets received from all sections of the country, indicating that baskets are becoming more and more popular every year. The basket department is employing more help than ever before and is a hive of industry, night work having been the rule for some time past.

The London Flower Shop, now located at 18th and Chestnut streets, has greatly improved quarters and is rapidly extending its business. Original and up-to-date methods, shrewd buying, cash dealing, and good advertising is producing the inevitable result. Given artists on one side; good salesmanship and intelligent buying on the other—the result is “a sure thing.”

The new move in the Maule progress reported to you some weeks ago is now fully authenticated in a two-column description of the new eight-story concrete building to be erected at 21st and Arch streets, which appears in the Commercial Journal. The original building at 1711 Filbert street, occupied for the past twenty-six years, will still be maintained but mostly for office purposes.

Alfred Burton, S. S. Pennock, C. E. Meehan, and C. H. Liggett paid a visit to the Jersey dahlia farms on the 4th inst. Mr. Burton was kind enough to furnish the transportation in his new safe and sane auto. The Bassett firms, W. A. Murray, Wood & Healy, D. Herbert & Sons, and others, at Hammononton and Atco were visited. The report is that the dahlias have not bloomed nearly as well as usual this year.

The Water Saving Exhibit in City Hall Square is greatly enlivened by a unique circle bed and fountain, executed by Philip Freud, of the Henry F. Michell Co. The peg to hang the story and the ad. on is the “Ring Fountain Spray,” a device that “saves water.” But Michell seeds and plants are the story, as exemplified in a fine lawn sod; lovely plants, aquatic and otherwise; trimmed pyramidal box bushes on the circular margin; vases of autumn foliage; Eulalia plumes and tritomas in the middle distance. The center is of course the feature, with its aquatics in bloom; its palms and other accessories. The cost of this display would be conservative at five hundred dollars. The procession of interested people passing aggregate probably one hundred thousand a day. I call that effective advertising of the most pronounced kind—and at a most trifling cost. No other firm in their line has had the enterprise to show themselves, so Michell has it all his own way. To paraphrase Harry Lauder: Michell, as regards Philadelphia, “Will soon have her a' to himself.”

Visitors: O. A. C. Oehmler, Washington, D. C.; H. L. Holmes, Harrisburg, Pa.; W. E. Marshall, New York City; Mr. and Mrs. J. W. Grandy, Jr., Norfolk, Va.; C. D. Mills, Jacksonville, Fla.; R. Vincent, Jr., Whitmarsh,

Md.; Mrs. Kendall Patterson, representing Walter Armacost, Ocean Park, Cal.; R. L. Hawkins, Bridgeport, Conn.; Geo. H. Seidel, Hazelton, Pa.; Mr. and Mrs. Arthur H. Newell, of Kansas City, Mo., on their way back from Europe; Adolphus and William F. Gude, Washington, D. C.; Henry Hart, New York City; D. Carmichael, representing J. M. McCullough's Sons, Cincinnati, Ohio; A. Emerich, representing Vilmorin Andrieux et Cie., Paris, France; A. Bachelot, representing M. Davy, Arpajon, France; M. H. Ebel, Sacramento, Cal.; James Brown, Coatesville, Pa.; Chas. Mawby, Van Lindley Co., N. C.

WASHINGTON NOTES.

McCrory's 5 and 10-cent store last week engaged in the florist business, selling roses two for five cents. They also had palms and ferns but these brought considerably better prices. A local firm supplied the stock.

The decorating of the new section of the George Washington University Hospital on the occasion of its dedication was done by George C. Shaffer. Cosmos was used in large quantities and other flowers, oak leaves and palms and ferns filled in.

O. A. C. Oehmler's will open this week. The interior is in green and white, the walls being of the former and the fixtures of the latter color. The floor is of mosaic work. To the right of the entrance is the counter and at the rear is the ice box, back of which is a make up room and above a mezzanine floor. Several chandeliers with electric lamps of high power furnish light.

Fred H. Kramer was neatly taken in by a colored woman last week who told a most harrowing tale of her mother's death. She wanted a few blooms to put on the casket and finally selected a \$5 design to be sent to the house of sorrow. She had a check for \$15 that had been given her, she said, by the people by whom she was employed. The balance was given her in cash, then the delivery boy couldn't locate the bereaved family at the address given and to cap the climax, the check came back stamped “no good.”

Gude Bros. furnished the decorations for the Mattingly-King wedding. The house was decorated with pink and white roses, chrysanthemums, greens, palms and ferns, with a group of wedding bells in the parlor. The bride's bouquet was of roses and lily of the valley, while the bouquets of the bridesmaids were of roses of four different tints of pink, matching their gowns. At the church the altar vases were filled with white roses and the wall pockets with chrysanthemums, and the pew markers were of white chrysanthemums, tied with satin ribbons.

St. Louis.—Mr. and Mrs. R. J. Windler have returned from a three week's trip to Chicago.

Grimm & Gorley have bought the stock and fixtures of Ed. Westermann who is now in their employ.

Visitors: Frank McCabe, representing A. L. Randall, Chicago; L. P. Edlefsen, Los Angeles, Cal., visiting his nephew W. C. Smith.

CHICAGO NOTES.

Trade Notes.

A new auto delivery car for Schiller, the florist, is just received. This store uses two and finds them very satisfactory for rush orders.

That Boston ferns are not losing any of their popularity was evidenced last week when a Chicago department store sold 1500 in four-inch pots in one day.

The various growers in and about Chicago are making exhibits at Springfield this week. The prizes offered are larger than at the regular flower shows.

At Peter Reinberg's, American Beauties are getting scarce in the short lengths and Richmonds are filling their place, the latter reaching thirty-six and forty inch stems.

All the large houses are showing quantities of autumn foliage and it makes a happy combination with the chrysanthemums, a fact the retailers' windows bear testimony to.

Three car loads of azaleas have just arrived from Belgium for Frank Oechlin, making the distance between Belgium and Chicago in just eighteen days. Another car is on the way.

John Kruchten, who is an authority on home-grown gardenias, says the plants are full of buds and that bright weather will insure a good crop. The cold, cloudy weather now prevailing looks very discouraging.

A beautiful new carnation, white with carmine pencillings, is to be sent out next year by the Chicago Carnation Co. and several bunches are cut each day and sent to the Chicago salerooms. It is still unnamed, is of average size, very stiff stem and has great substance to its petals.

Joseph Ziska is now sole owner of the business that was organized seven years ago under the name of the Chicago Rose Co., with a greenhouse plant at Libertyville, Ill., and which will hereafter be known by his name. It was organized by J. Weiland, J. Ziska and J. B. Degnan.

Hoerber Bros. have two large houses of Bride roses now in crop. Mr. Hoerber says he has plenty of calls for Bride and that its shipping qualities makes it in good demand for out-of-town trade. In carnations the entire planting is of five varieties, Beacon, Victory, Enchantress, White Enchantress, and Perfection.

Personal.

Oscar Wiegand, 2005 N. Halsted street, is taking a trip to California.

T. V. Brown is back at his old place at A. Lange's after a year in Florida.

C. Windler of St. Louis, Mo., left Friday for home after spending several weeks in Chicago.

Miss Lillie Tonner, lately with the A. Randall Co., leaves on the 15th for the south where she has a pecan orchard.

A. F. Longren was home over Sunday after his first trip for Poehmann Bros. Co. He reports business in florists' supplies as opening up nicely.

E. B. Washburn and family are preparing to leave very shortly for a winter in California where a milder climate will be more favorable to Mr. Washburn.

Visitors: Alfred Baur, Erie, Pa.; Mr. and Mrs. C. Humfeld, Clay Center, Kas.

"THE" FLORISTS' SUPPLY HOUSE OF AMERICA

Novelties and Necessaries for Fall Trade

CORK BARK; Richest and most decorative rustic material for covering boxes and many other purposes. Indispensable to all up-to-date florists.

BIRCH BARK: Excellent and artistic for smooth work on pedestals, etc.

CEDAR BARK: Trimmed, selected stock, useful for many purposes, especially where inexpensive effects are desired.

IDEAL PREPARED OAK AND BEECH SPRAYS In brown, green, leather, cherry red, brown and two tone.

SOMETHING NEW!

RED SEA MOSS RED CORAL MOSS

Very dainty and charming when mixed in with magnolia leaves, etc., in making sprays.

Note Especially:

LOMARIA FERNS in autumn shades.

BRAZILIAN MOSS for sprays.

RED RUSCUS

PINE CONES

H. BAYERSDORFER & CO.

THE FLORISTS' SUPPLY HOUSE OF AMERICA

1129 ARCH STREET - - - PHILADELPHIA, PA.

PERSONAL.

James Rough, of Boston has taken a position with S. J. Reuter & Son, florists, Westerly, R. I.

Mr. and Mrs. William Penn, of Boston, have just returned from a trip to New York, Baltimore and Washington.

F. H. Kramer, formerly of Wichita, Kan., is now in charge of the greenhouses of J. E. Yates, 308 East Springfield avenue, Champaign, Ill.

John Chisholm, employed by Bertermann Bros. Co., florists, Indianapolis, Ind., has accepted a position with Gude Bros, Washington, D. C.

Benjamin Allmond, formerly of New York, N. Y., has accepted the position of superintendent of the L. A. Thompson estate at Glen Cove, L. I., N. Y.

James Russell, formerly with Winsel's seed store, 211 South Main street, Los Angeles, Calif., is now in charge of the farm of H. N. Gage, at Montebella.

Fred Miller, for many years with Gude Bros., Washington, D. C., has accepted a position with W. W. Scholtz, florist, 306 North Tyron street, Charlotte, N. C.

Kenney Davis, formerly foreman at the Anacostia greenhouses of F. H. Kramer, has accepted a position with Ratcliffe & Tanner, 25 West Broad street, Washington, D. C.

Cleveland visitors—Robert Rabaley and Walter Taepke, Detroit, Mich.

Boston visitors:—Stephen Green, representing H. Bayersdorfer & Co., Philadelphia; R. Schoch representing "The House of Rice," Philadelphia; A. E. Thatcher, Bar Harbor, Me. Dan. Whittle, Albany, N. Y.; W. Atlee Burpee, Philadelphia.

CINCINNATI NOTES.

J. A. Peterson called on his trade in Louisville, Ky., for several days last week.

C. E. Critchell has increased his force by two to take care of his larger volume of business.

Peter Weiland had the first violets in the market. The quality, considering the early time for them, is excellent.

On last Friday afternoon Myer Heller held a reception at the Hill-Heller store, to his friends and those of the public interested in flowers.

The wedding of Miss Florence Windram and Oliver Hetsch took place last Wednesday. After their honeymoon the newlyweds will reside in Leesburg, Fla., where Mr. Hetsch takes charge of the Lake Shore Ferneries.

Visitor: Wm. Gardner, manager of P. J. Olinger's greenhouses, New Castle, Ind.

In reading the advertisement of R. M. Ward on page 500, take particular notice of Mr. Ward's claim that lilies will pay for a greenhouse quicker than the profits of any other article. This, if true, (and we have no reason to question it) is a vitally important fact and paves the way for an attentive reading of the rest of Mr. Ward's proposition.

NEW YORK NOTES.

The death is announced of Herbert A. Joslin at Allston, Mass., on Oct. 3, aged 55 years, and at one time a well-known New York florist. The funeral took place at Allston on the 6th inst.

Julius Walter, of the Stumpp & Walter Co., who has been suffering for the past three weeks from a severe attack of pneumonia, is now, we are pleased to report, well on the road to recovery.

Louis Grossman, who was on the J. H. Staren estate at Glen Island, N. Y., and latterly with Ernest Flagg, Esq., Dongan Hills, S. I., has now charge of the floral arrangements and plants at the Hotel Astor.

The wedding of Alling Woodruff to Miss Dorothy Blackhall is announced to take place at Woodmont, Conn., on Oct. 17 and the honeymoon will be spent in Europe. Mr. Woodruff is of the firm of S. D. Woodruff & Sons and is located at their Dey street warehouse.

Visitor: J. B. Shea, Supt. of Parks, Boston.

INCORPORATED.

Boston, Mass.—Zinn's Flower Shop, capital stock \$5,000. Incorporators, Clarence W. Rowley, Olivia F. Zinn, Annie P. Magee.

Columbus, O.—San Pedro Development Co., to conduct nurseries, orchards and vegetable gardens. Capital stock \$25,000. Incorporators, A. S. W. Huffman, C. A. McAllister, J. L. Baker, F. M. Hammond and F. N. Hammond.

BEAUTIES

\$1.00 to \$4.00 per dozen
Specials \$30.00 per 100

Our Beauties are in splendid condition, large flowers of good color. An ample supply of all sizes.

Cattleyas and Gardenias

A steady supply every day all through the season.

Business Hours: 7 A. M.—8 P. M.

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner
12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR
FLORIST'S
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST. BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

POEHLMANN BROS. CO.

Cut Flowers All the Year Round

33-35-37 RANDOLPH STREET,

Greenhouses, Morton Grove, Ill.

CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES		BOSTON		CHICAGO		ST. LOUIS		PHILA	
		October 10		October 8		October 8		October 8	
Am. Beauty, Fancy and Special....		15.00	to 25.00	20.00	to 25.00	15.00	to 40.00	30.00	to 35.00
" " Extra.....		10.00	to 15.00	15.00	to 20.00	.....	to 10.00	20.00	to 25.00
" " No. 1.....		6.00	to 8.00	10.00	to 15.00	.....	to 8.00	12.00	to 15.00
" " Lower Grades.....		2.00	to 4.00	5.00	to 10.00	3.00	to 4.00	6.00	to 8.00
Killarney, Richmond, Maryland....		.50	to 6.00	5.00	to 10.00	3.00	to 8.00	3.00	to 6.00
Bride, Maid.....		.50	to 4.00	5.00	to 8.00	3.00	to 6.00	3.00	to 6.00
Hillingdon, Ward, Melody.....		1.00	to 6.00	5.00	to 10.00	3.00	to 8.00	3.00	to 8.00
Taft, Sunburst.....		2.00	to 8.00	5.00	to 8.00	3.00	to 10.00	3.00	to 8.00
CARNATIONS.....		1.00	to 2.00	2.00	to 3.00	1.00	to 2.00	2.00	to 4.00
MISCELLANEOUS									
Cattleyas.....		20.00	to 35.00	35.00	to 50.00	50.00	to 75.00	25.00	to 40.00
Lilies, Longiflorum.....		8.00	to 10.00	.....	to 12.00	10.00	to 12.00	10.00	to 12.50
Lily of the Valley.....		2.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Violets.....		.40	to .50	.....	to .75	.25	to .35	.....	to .50
Chrysanthemums, Fancy.....		10.00	to 12.00	18.00	to 25.00	20.00	to 25.00	15.00	to 25.00
" Ordinary.....		6.00	to 8.00	12.00	to 18.00	10.00	to 15.00	8.00	to 12.00
Daisies.....		.....	to .....	.....	to 1.50	.....	to .....	.....	to
Sweet Peas.....		.....	to .....	.....	to .75	.....	to .....	.....	to
Gardenias.....		12.00	to 15.00	25.00	to 35.00	.....	to	15.00	to 25.00
Adiantum.....		.....	to 1.00	.....	to 1.00	1.00	to 1.25	1.00	to 1.50
Smilax.....		10.00	to 12.00	12.00	to 15.00	10.00	to 15.00	10.00	to 12.00
Asparagus Plumosus, Strings (100).....		.....	to 50.00	40.00	to 60.00	35.00	to 50.00	35.00	to 50.00
" " & Spren. (100 Bchs.).....		25.00	to 50.00	35.00	to 50.00	15.00	to 25.00	35.00	to 50.00

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG
WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

GEORGE B. HART

WHOLESALE FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati.

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

CHICAGO CARNATION COMPANY

A. T. PYFER, Manager

30 East Randolph Street,

CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE.,

BETWEEN RANDOLPH
AND LAKE STREETS,

CHICAGO

Flower Market Reports

BOSTON All flowers are abundant this week, with prices somewhat lower and the tendency downward generally. Roses are coming in very freely, all varieties. No special demand is encountered for any variety except Madame Russell; that sterling novelty is bringing American Beauty prices. Carnations are coming in better quality, with a good proportion of long stems and there are more than enough for ordinary demands, the whites having the better sale. Chrysanthemums increase in number every day, but there are no really fine blooms on this market thus far, the quality being below par as a general thing. Gladioli are seen here and there, also a few dahlias, but both are close to their finish. There are plenty of really good gardenias and the cattleya crop is entirely beyond control for the time being. Many of the latter are lagging on wholesalers' hands. Lilies, lily of the valley, violets and other seasonable stock are normal.

For the past two weeks **BUFFALO** weather conditions have been favorable and the flower business has been brisk. There has been no shortage to speak of on any line except occasionally lily of the valley and carnations. Out-door stock has still been coming in and has had good sales. Dahlias were in good supply and cleaned up fairly well; Jack Rose and the pink varieties have been best sellers. Carnations are coming on more plentiful each day and the quality is becoming better. Enchantress and White Perfection are best though some good Beacon and Winsor are seen. Beauties have had a better demand; the quality is also better than heretofore. All other roses have been better than for some time past. The chrysanthemum season has begun and the bright days have brought them on fast, and so far they have sold satisfactory. Violets have made their appearance though there is no special demand. Lilies are more plentiful. There is plenty of smilax and other greens. Weddings, autumn store decorations and floral work consumed a good lot of flowers the past week.

The Chicago market is **CHICAGO** very active in all lines and were there more stock it would be still more so. The demand for all kinds of roses is very good, and the supply comes nearer to meeting the demand than at any time since the shortage began. Some fancy Richmonds and Killarneys are of excellent quality and comparatively long stems, but the great bulk of roses is of medium grade. American Beauties are a little shy on the long-stemmed ones, also. Some very good carnations are now coming in and a little bright weather would work wonders for them. Lilies sold fairly well last week and lily of the valley is active. Quite a few sweet peas are coming and are quickly picked up at 75c. per 100. Violets are to be had in both single and double varieties. A few Francis King gladioli are still coming and some Augusta. Chrysanthemums are daily giving evidence that their time is drawing near. Green is moving well; the demand for smilax is especially active.



ROSE SPECIAL

Roses are improving in quality and length of stem right along and as our growers are cutting freely, we offer this special. A trial order will convince you of the unusual values these boxes contain.

OUR SELECTION AS TO COLORS AND VARIETIES, IN LOTS OF 200 OR OVER, \$3.00 PER 100. THIS SELECTION INCLUDES A FAIR PROPORTION OF LONG STEMMED STOCK.

GARDENIAS: Special, \$2.50 per doz.; \$15.00 per 100. Fancy, \$2.00 per doz.; \$10.00 per 100.
CHRYSANTHEMUMS: \$1.50, \$2.00, \$2.50 and \$3.00 per doz.
CATTLEYAS: \$5.00 per doz.; \$35.00 per 100.
VALLEY: Special, \$4.00 per 100. Extra, \$3.00 per 100.

HEADQUARTERS FOR GREENS

WILD SMILAX: \$5.00 per case.
GREEN GALAX: \$1.50 per 1,000; \$7.50 per 10,000.
BRONZE GALAX: \$1.50 per 1,000; \$7.00 per 10,000.
LEUCOTHOE SPRAYS (green): \$1.00 per 100; \$9.50 per 1,000.
GREEN SHEET MOSS: \$3.50 per bag.
SPHAGNUM MOSS: Ten bbl. bales, nicely burlapped, each, \$4.00; 5 bale lots, \$3.75 each; 10 bale lots, \$3.50 each; 25 bale lots, \$3.25 each.

RIBBONS AND SUPPLIES: Many new patterns in exclusive Ribbons. Write us for prices on these and on Supplies.

S. S. Pennock-Meehan Co.
THE WHOLESALE PHILADELPHIA FLORISTS OF

PHILADELPHIA
 1608-1620 Ludlow St.

NEW YORK
 117 W. 28th St.

WASHINGTON
 1212 New York Ave.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI September 24	DETROIT October 8	BUFFALO October 8	PITTSBURGH October 1
ROSES				
Am. Beauty, Fancy and Special....	15.00 to 25.00	20.00 to 25.00	15.00 to 20.00	20.00 to 25.00
" " Extra.....	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00	15.00 to 18.00
" " No. 1.....	6.00 to 10.00	10.00 to 15.00	6.00 to 10.00	8.00 to 12.00
" " Lower Grades.....	3.00 to 6.00	4.00 to 10.00	2.00 to 4.00	3.00 to 6.00
Killarney, Richmond, Maryland...	2.00 to 6.00	6.00 to 8.00	2.00 to 4.00	4.00 to 8.00
Bride, Maid.....	2.00 to 6.00	3.00 to 6.00	2.00 to 6.00	4.00 to 8.00
Hillingdon, Ward, Melody.....	2.00 to 6.00	6.00 to 8.00	3.00 to 6.00	4.00 to 8.00
Taft, Sunburst.....	3.00 to 6.00	6.00 to 8.00	2.00 to 6.00	4.00 to 8.00
CARNATIONS				
	.50 to 1.00	1.50 to 2.50	1.00 to 2.50	1.50 to 3.00
MISCELLANEOUS				
Cattleyas.....	10.00 to 50.00	12.50 to 50.00	8.00 to 60.00	8.00 to 50.00
Lilies, Longiflorum.....	10.00 to 12.50	12.50 to 15.00	8.00 to 10.00	8.00 to 12.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Violets.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Chrysanthemums, Fancy.....	15.00 to 20.00	15.00 to 20.00	12.00 to 20.00	15.00 to 20.00
Ordinary.....	10.00 to 15.00	10.00 to 15.00	8.00 to 10.00	10.00 to 15.00
Daisies.....	10.00 to 12.50	10.00 to 12.50	10.00 to 12.50	10.00 to 12.50
Sweet Peas.....	10.00 to 12.50	10.00 to 12.50	10.00 to 12.50	10.00 to 12.50
Gardenias.....	10.00 to 12.50	10.00 to 12.50	10.00 to 12.50	10.00 to 12.50
Adiantum.....	10.00 to 12.50	10.00 to 12.50	10.00 to 12.50	10.00 to 12.50
Smilax.....	10.00 to 12.50	10.00 to 12.50	10.00 to 12.50	10.00 to 12.50
Asparagus Plumous, Strings (100)	35.00 to 40.00	25.00 to 40.00	40.00 to 50.00	40.00 to 50.00
" " & Spreng. (100 bchs.)	25.00 to 35.00	15.00 to 35.00	25.00 to 35.00	25.00 to 35.00

The demand all last week was very active and this week's bids fair to continue the same way. A large part of it is for flowers and decorations for weddings. The warm weather last week brought in such an increased supply that the tension in the market that has been apparent for several weeks was greatly relieved and there was easily enough blooms to take care of every request. Roses of all kinds sold nicely but toward the end of last week and on Monday of this week not all of them were taken up. Cooler weather which has arrived since then will undoubtedly retard the cut enough to bring it near to where it was a week ago. Most all Beauty

growers consigning into the market are cutting an excellent crop. Carnations are proving good sellers. They are of a tolerably good quality, too. Lily of the valley and giganteum lilies sell well. The chrysanthemum market is very good.

Large quantities of cosmos and fine dahlias are coming in.

Good stock is still very scarce. Chrysanthemums were promised in quantity last week but did not materialize and consequently they also were far below the demand. Roses which have been off crop, are expected to furnish some long stemmed blooms this week again.

(Continued on page 518)

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Successor to
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A Full Line of ALL CUT FLOWERS.
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Mad. Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Oct. 5 1912		First Half of Week beginning Oct. 7 1912	
American Beauty, Fancy and Special	15.00	to 30.00	10.00	to 20.00
" " Extra	10.00	to 15.00	8.00	to 10.00
" " No. 1	6.00	to 10.00	4.00	to 6.00
" " Lower Grades	1.00	to 3.00	.50	to 1.50
Killarney, Richmond, Maryland .....	.50	to 4.00	.50	to 4.00
Bride, Maid	1.00	to 4.00	.50	to 4.00
Hillingdon, Ward, Melody	1.00	to 6.00	.75	to 6.00
Taft, Sunburst	1.00	to 8.00	.75	to 6.00
CARNATIONS	1.00	to 3.00	.75	to 2.00

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Telephones {1064} Madison Square {1668}
CONSIGNMENTS SOLICITED

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TRAENDLY & SCHENCK
Wholesale Florists
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Telephones: 798 and 799 Madison Square
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CHAS. E. ROBINSON, V. Pres. JOSEPH MARGOLIS, Sec'y
HENRY M. ROBINSON CO.
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Wholesale Florists
Maurice L. Glass, Manager
55-57 WEST 26th ST. - - - NEW YORK CITY
Special Attention to the Shipping Trade



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WHOLESALE COMMISSION FLORISTS
Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

Flower Market Reports

(Continued from page 517)

NEW YORK With the return of summer weather—and we have experienced five hot days in succession, the mercury having gone up to 78—our market, which looked like getting into good shape, has had a decided check and the slightly better conditions and tone of last week are not maintained. American Beauty roses have been pretty firm, but other varieties are in such quantities that the prices quoted must be somewhat unreliable. Chrysanthemums are selling well but we have far too many for satisfactory returns. All other stocks are plentiful, but prices have a downward tendency.

PHILADELPHIA The demand for American Beauty last week exceeded the supply hence the price remained firm at the advance noted in our last report. This is one of the healthiest signs of an improved market. Richmonds are not plentiful as yet and perhaps this is just as well, as there seems to be no very active demand for them. There is a plentiful supply of Killarneys and these move off excellently—particularly the white. Taft is proving not only a good summer but also a great fall rose. We have never seen it better than it is at present and the demand for it keeps up. It seems to fill a gap that no other competitor can touch. Hillingdons and Wards are also strong features of the market—both in quantity and quality. Dahlias have been in shorter supply than usual for the date. They moved off well. Of course, the weather is more favorable for them now; but they are a week or so too late, as they will have to buck up against a strong influx of chrysanthemums—which would not have happened a week ago. Pink Delight and Ward are the leaders in the carnation procession and are very good indeed. The demand for gardenias has improved very considerably and the crop has kept pace. There is no great congestion, however, and the prices on these have had an upward tendency. Orchids in good supply; demand moderate. Lilies short and market on these in good shape. Cosmos coming

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
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Home-grown Stock a Specialty. STRICTLY WHOLESALE; NOTHING SOLD AT RETAIL.

Ample reference furnished as to standing and financial ability of the company.

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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Oct. 5 1912		First Half of Week beginning Oct. 7 1912	
Cattleyas.....	25.00	to 40.00	20.00	to 40.00
Lilies, Longiflorum.....	4.00	to 6.00	4.00	to 6.00
Lily of the Valley.....	1.00	to 4.00	1.00	to 3.00
Violets.....	.20	to .35	.20	to .40
Chrysanthemums, Fancy.....	35.00	to 50.00	15.00	to 40.00
Chrysanthemums, Ordinary.....	5.00	to 25.00	4.00	to 12.00
Daisies.....	.....	to .....	.....	to
Sweet Peas.....	.....	to	1.00	to 2.00
Gardenias.....	8.00	to 25.00	4.00	to 15.00
Adiantum.....	.50	to 1.00	.....	to .50
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings (per 100).....	.....	to 25.00	.....	to 25.00
Asparagus Plumosus, & Spreng (100 bunches).....	8.00	to 12.00	8.00	to 12.00

in very freely and of very fine quality, larger flowers and better substance than anything we have seen in the earlier arrivals.

ST. LOUIS. The market was very satisfactory last week among wholesale houses and retailers likewise. Business has picked up greatly since the cooler weather set in. The stock is not up to the usual standard though some excellent roses in Killarneys and Beauties are coming in. The same may be said of carnations, but the bulk of these are very poor and very short-stemmed. Chrysanthemums as yet are few and these will sell quickly at good prices until they become more plentiful. Violets are now coming in but very few. Out-door stock is becoming less each day and will soon be a thing of the past. All greens are plenty.

WASHINGTON The condition of business has improved considerably since the weather became somewhat cooler and flowers also are in better shape and larger quantities. There is plenty of stock of all kinds with the possible exception of American Beauty roses and short-stem carnations. Radiance and Richmond roses are coming in in very good shape. Some locally grown violets are coming in now; the Rhinebecks as yet are unsatisfactory because of their frailty. Cosmos and dahlias are of such quantity as to greatly lessen the sale of other stock. Indoor chrysanthemums are making their appearance.

Cambridge, C.—The florist business of I. A. Oldham has been purchased by Fred W. Arnold.

NEWS NOTES.

Catlin, Ill.—The florist business of Scott Morris has been purchased by Mrs. Florence Terpening who has moved it to Sandusky and Lookout streets.

Los Angeles, Calif.—J. B. Booker has purchased land at Montebello and will erect a range of greenhouses for cut flower growing.

GALAX

Fine Quality of Brilliant Bronze and Green Galax, 40c. per 1000; \$3.00 per case of 10,000.

A-1 Dagger and Fancy Ferns, 75 cents per 1000.

Laurel Festooning, 4 cents per yard.

Bunch Laurel, 25 cents per bundle.

All other Evergreens at lowest prices.

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MILLINGTON, MASS.

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Aphine Mfg. Co., Madison, N. J.
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Water hyacinths, the oddest, most beautiful and valuable plants; extra strong, in the finest condition; \$5.00—100, \$35.00—1000; second grade, \$3.00—100, \$18.00—1000. Blooming water hyacinths make leaders at 25c. retail. Cash, please. Texas Nursery & Floral Co., Box 178 Alvin, Tex.

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Godfrey Aschmann, Philadelphia, Pa.
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ASPARAGUS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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Wm. Ehmann, Corfu, N. Y.
For page see List of Advertisers.

Asparagus plumosus, 2½ in. pots, at \$1.00 per 100. Ruxton Floral and Nursery Co., Ruxton, Md.

Asparagus plumosus nanus, 2½ in., \$3.00 per 100. Cash. A. & G. Rosbach, Pemberton, N. J.

Asparagus plumosus, 2½ in., \$2.00 per 100. A. Sprenger, 2½ in., all strong stock, \$1.90 per 100 if ordered at once. Cash. John Bauscher, Jr., Freeport, Ill.

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P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Rosindale, Mass.
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Loechner & Co., New York, N. Y.
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F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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BAY TREES

McHutchison & Co., 17 Murray St., N. Y.
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Bobbink & Atkins, Rutherford, N. J.
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August Roelker & Sons, 31 Barclay St., New York.
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Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

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R. Vincent, Jr., & Sons Co., White Marsh, Md.
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J. A. Peterson & Sons, Cincinnati, O.
Glory of Cincinnati.
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Fancy Begonia Rex, 7 varieties, \$4.00 per hundred. A. & G. Rosbach, Pemberton, N. J.

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100,000 Berberis Thunbergii, from 6 in. to 2½ ft., and few seed of same; also Clematis paniculata, 1, 2 and 3 yr. old, and new seed. Get my prices. Benj. Connell, Florist, Merchantville, N. J.

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Box Trees, all sizes. Ask for special list.

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Hitchings & Co., 1170 Broadway, N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.

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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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Michell's Seed House, Philadelphia, Pa.
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Ralph M. Ward & Co., 71 Murray St., New York.

Horseshoe Brand Lilies and French Bulbs.
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James Vick's Sons, Rochester, N. Y.
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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
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P. H. Goodsell, New York, N. Y.
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F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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O. V. Zangen, Hoboken, N. J.
Dutch and French.
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Weeber & Don, New York, N. Y.
Double Narcissus Von Sion.
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Bulbs of all descriptions. Write for prices. C. Keur & Sons, Hillegom, Holland.

New York Branch, 31-33 Broadway.

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Cape Jasmine, fine cuttings, 8 inch and over, ready for rooting; 100 \$1.00, 1000 \$8.00, prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

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F. Dörner & Sons Co., Lafayette, Ind.
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B. G. Merritt & Co., Grange, Md.
Field-Grown Carnations.
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J. Fuller, Leominster, Mass.
Field Grown Carnations.

CARNATIONS—Continued

Carnations, 700 Fair Maid, \$5.00 per 100. Wm. Capstick, Auburndale, Mass.

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Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.

Stock Plants, Smith's Advance 'Mums, 75c. per doz., \$5.00 per 100. Peirce Brothers, Waltham, Mass.

CHRYSANTHEMUM, THE. By A. Herrington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 160 pages. Price 50 cents.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

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20th Century Plant Food Co., Beverly, Mass.
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Thomas Roland, Nahant, Mass.
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R. J. Irwin, New York, N. Y.
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Cyclamens, 3-inch pots, \$10.00 per 100; \$80.00 per 1000. Julius Roehrs Co., Rutherford, N. J.

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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

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Delphinium Formosum, extra strong, 1 year old, \$4.50 per 100. Write for samples and wholesale list. Geo. F. Kimbel, Flourtown, Pa.

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Double Claw Hammer Co., Brooklyn, N. Y.
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DOUBLE FARM CROPS. By restoring
soil fertility with Shell-Marl Land-Lime,
Wood Ashes Substitute, Ground Phosphate
Rock, Basic Slag. Endorsed, recommended
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Ferns for Dishes.

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Adiantum cuneatum clumps, will divide
to make 4 to 6 plants. \$12.00 per 100.
Wm. Capstick, Auburndale, Mass.

Fern runners, fine stock Boston, Whit-
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100, \$15.00 per 1000. Roosevelt runners,
very fine, \$6.00 per 100, \$50.00 per 1000.
Roosevelt, 4-inch, \$15.00 per 100, 5-inch,
\$25.00 per 100. Asparagus Plumosus, 4-
inch, handsome stock, \$8.00 per 100, 50,000
sq. ft. of glass at Cleveland, O., devoted
exclusively to ferns. I have the best stock
to be had anywhere. Prices are low, for
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O.

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Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.

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Boston.

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H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.

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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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S. S. Pennock-Meehan Co., Philadelphia,
Pa.

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H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.

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Welch Bros. Co., 226 Devonshire St.
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W. H. Ernest, 28th and M Sts.,
Washington, D. C.

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Syracuse Pottery Co., Syracuse, N. Y.
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FORGET-ME-NOTS

Forget-me-nots from greenhouse grown
seed, sure for Christmas; strong 2 1/4 in.
plants, extra early, continuous bloomer,
\$2.50 per 100; \$20.00 per 1000. Cash.
B. B. Pohlmann, 645 Chapin, Rockford, Ill.

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Theo. Flicke, New York, N. Y.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
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GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
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Kervan Co., New York.

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Hartford & McDonough, Boston, Mass.

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NEW GERANIUM "HELEN MICHELL."
The best clear scarlet Bedding Geranium
ever offered. See Adv., page 384. 2 1/4 in.
plants (ready from January, 1913), \$2.50
per doz.; 100, \$15.00; \$125.00 per 1000.

Orders Booked Now.

MICHELL'S SEED HOUSE,
Philadelphia, Pa.

GLADIOLUS

John Lewis Childs, Flowerfield, N. Y.
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GLASS

Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.

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Parsheisky Bros., Inc., 215-217 Havermeyer
St., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

For page see List of Advertisers.

GOLD FISH

Gold fish, aquarium plants, snails, cas-
ties, globes, aquarium, fish foods, nets,
etc., wholesale. Franklin Barrett, breeder,
4815 D St., Olney, Philadelphia, Pa. Large
breeding pairs for sale. Send for price list.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
Boston.

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King Construction Co., N. Tonawanda, N. Y.
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Metropolitan Material Co., Brooklyn, N. Y.
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Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

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Frank Van Assche, Jersey City, N. J.

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S. Jacobs & Sons, Brooklyn, N. Y.

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V. E. Reich, Brooklyn, N. Y.

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Lord & Burnham Co.,

1133 Broadway, New York.

GREENHOUSE CONSTRUCTION

Foley Mfg. Co., Chicago.

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King Construction Co., N. Tonawanda, N. Y.
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GREENHOUSE CONSTRUCTION—**Continued**

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Charles H. Dodd, Jersey City, N. J.
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Wm. H. Lutton, Jersey City, N. J.
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Metropolitan Material Co., Brooklyn, N. Y.
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Frank Van Assche, Jersey City, N. J.
For page see List of Advertisers.

Lord & Burnham Co.,

1133 Broadway, New York.

Pierson U-Bar Co., Madison Ave., New York.
Designer and Builder.

Hitchings & Co., 1170 Broadway, N. Y.
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GREENHOUSE SUPPLIES

E. H. Hunt, Chicago, Ill.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.

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Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

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HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.

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HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange.
38 and 40 Broadway, Detroit, Mich.

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The Kervan Co., New York.

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Hartford & McDonough, Boston, Mass.
A. A. Gibbons, Red Level, Ala.

HEATING APPARATUS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Chas. H. Dodd, Jersey City, N. J.
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Lord & Burnham Co.,

1133 Broadway, New York.

HERBACEOUS PERENNIALS

Bay State Nurseries, No. Abington, Mass.
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E. S. Miller, Wading River, N. Y.

For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Bobbink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

HOLLYHOCKS

Hollyhocks, large transplanted, double
white, yellow, pink, red, maroon, single
mixed, \$4.50 per 100. Write for wholesale
list of other perennials; it will pay you.
Geo. F. Kimbel, Flouertown, Pa.

HOSE

H. A. Dreer, Philadelphia, Pa.
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HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Parsheisky Bros., Brooklyn, N. Y.

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V. E. Reich, Brooklyn, N. Y.

Double Glass.

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Lord & Burnham Co., 1133 Broadway, N. Y.

HYDRANGEAS

HYDRANGEA OTAKSA.

EXTRA FINE PLANTS, POT GROWN.
6-in., 4 to 6 shoots.....\$25.00 per 100

STRONG, FIELD-GROWN PLANTS.
4 to 6 shoots.....\$15.00 per 100

2 to 4 shoots.....12.00 per 100
Can be shipped by freight. Satisfaction
assured.

R. J. Irwin, 3097 Broadway, New York, N. Y.

In writing to Advertisers kindly mention Horticulture

INSECTICIDES

- Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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- Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
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- E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
- Lemon Oil Co., Baltimore, Md.
Standard Insecticide.
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- Interstate Tobacco Co., New York, N. Y.
"Tip Top" Tobacco Powder.
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- Benjamin Hammond, Fishkill-on-Hudson, N. Y.
Slug Shot.
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- Kentucky Tobacco Product Co., Louisville, Ky.
Nico-Fume.

IRIS

- Henry A. Dreer, Inc., Philadelphia, Pa.
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GERMAN IRIS.

FLORENTINE (slate white), CELESTE (lavender), FAIRY (white), SPECIOSA (purple), DALMATICA (pale blue).

SIBERIAN IRIS.

WHITE BLUE (type), BLUE ORIENTALIS, WHITE ORIENTALIS (Snow Queen). Dozens, hundreds, thousands. Write wants.

O. H. DICKINSON, SPRINGFIELD, MASS.

JAPANESE LILIES

- Loechnner & Co., New York, N. Y.
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LANDSCAPE ENGINEERS AND CON-TRACTORS

- Fairfield Landscape & Nursery Co., New York, N. Y.

LEMON OIL

- Lemon Oil Co., Baltimore, Md.
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LILY BULBS

- F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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- Jas. Vick's Sons, Rochester, N. Y.
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LILY OF THE VALLEY PIPS

- Loechnner & Co., New York, N. Y.
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- F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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- August Roelker & Sons, 31 Barclay St., N. Y.
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- McHutchison & Co., 17 Murray St., N. Y.
Berlin Valley Pips.

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LILIUM GIGANTEUM

- R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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MASTICA

- F. O. Pierce Co., New York, N. Y.
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- Joseph Breck & Sons, Boston, Mass.
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NICO-FUME

- Kentucky Tobacco Product Co., Louisville, Ky.

NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
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- W. & T. Smith Co., Geneva, N. Y.
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- Bay State Nurseries North Abington, Mass.
Hardy, Northern Grown Stock.
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- Bobbink & Atkins, Rutherford, N. J.
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- W. B. Whittier & Co., South Framingham, Mass.
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- P. Hamilton Goodsell, New York, N. Y.
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- Fairfield Landscape & Nursery Co., New York, N. Y.

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- Lancaster County Nurseries, Lancaster, Pa.
Shade Tree Bargains.
- August Roelker & Sons, 31 Barclay St., N. Y.
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- Stuart Low & Co., Enfield, England.
British-Grown Roses, Fruit Trees, Vines, Orchids, Etc.
For page see List of Advertisers.
- Fusts' Nurseries, Brussels, Belgium.
Send for Catalogue.
For page see List of Advertisers.
- John Waterer & Sons, Ltd., Bagshot, Eng.
For page see List of Advertisers.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS. Ellwanger & Barry, Rochester, N. Y.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
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ORCHID FLOWERS

- Jas. McManus, New York, N. Y.
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ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
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- Julius Roehrs Co., Rutherford, N. J.
Hybrid Orchids.
For page see List of Advertisers.
- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

ORCHID GROWERS' MANUAL.

By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and Orchid Culture ever published. Price \$10.00.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PALMS, ETC.

- A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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- Bobbink & Atkins, Rutherford, N. J.
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- Godfrey Aschmann, Philadelphia, Pa.
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- Robert Craig Co., Philadelphia, Pa.
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- John Scott, Brooklyn, N. Y.
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- Joseph Heacock, Wyncote, Pa.
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- Loechnner & Co., New York, N. Y.
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- August Roelker & Son, 31 Barclay St., N. Y.
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PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

- Siggers & Siggers, Washington, D. C.
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PEAT

- J. H. Sprague, Barnegat, N. J.
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PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago.
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- A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

- Henry A. Dreer, Inc., Philadelphia, Pa.
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- Peonies. The world's greatest collection, 1200 sorts. Send for list. C. Betscher, Canal Dover, O.

PHLOX

- Henry A. Dreer, Inc., Philadelphia, Pa.
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PHOENIX ROEBELINII

- F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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PLANT AND BULB IMPORTS

- August Roelker & Sons, New York, N. Y.
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- McHutchison & Co., 17 Murray St., N. Y.
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PLANT TRELLISES AND STAKES

- Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

- Plant Trellises and Stakes. P. A. Angier & Co., Westboro, Mass.

PLANT TUBS

- H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.

- Kroeschell Bros. Co., 466 Erie St., Chicago.

POINSETTIAS

- A. Henderson & Co., Chicago, Ill.
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- S. S. Skidelsky, Philadelphia, Pa.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

POULTRY AND FRUIT REVIEW

- The Rex Company, Harrisburg, Pa.
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PRIMULAS

Primula malacoides, 4 in. pots, at \$8.00 per 100; 2½ in. pots, at \$4.00 per 100. Primula obconica (best strain), 2½ in. pots, at \$3.00 per 100. Ruxton Floral and Nursery Co., Ruxton, Md.

Malacoides, strong 3½ in., ready for 5 in., \$7.00 per 100. Israel Quint, 125 Walnut Ave., Roxbury, Mass.

PRINTING

- The Rex Company, Harrisburg, Pa.

PRIVET

- Franklin Davis Nursery Co., Baltimore, Md.
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RAFFIA

- McHutchison & Co., 17 Murray St., N. Y.
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REFRIGERATORS FOR FLORISTS

- McCray Refrigerator Co., Kendallville, Ind.
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- John Waterer & Sons, Ltd., Bagshot, Eng.
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- Bobbink & Atkins, Rutherford, N. J.
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- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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- Robert Craig Co., Philadelphia, Pa.
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- W. & T. Smith Co., Geneva, N. Y.
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- Bay State Nurseries, North Abington, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Wood Bros., Fishkill, N. Y.
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400 Radiance Roses, 4 in. pots, at \$10.00
per 100. 200 Golden Gate 4 in. pots, at
\$3.00 per 100. Ruxton Floral and Nursery
Co., Ruxton, Md.

RUBBER STAMPS, STENCILS

The Rex Company, Harrisburg, Pa.

RUBBER TREES

Godfrey Aschmann, Philadelphia, Pa.
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SEED GROWERS

J. C. Robinson Seed Co., Waterloo, Neb.
Contract Seed Growers.

Oklahoma Seed Growers Co., Enid, Okla.
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Leonard Seed Co., Chicago, Ill.
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Brasilan Seed Growers Co., San Jose, Cal

SEEDS

Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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Mitchell's Seed House, Philadelphia, Pa.
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W. Atlee Burpee & Co., Philadelphia, Pa.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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R. & J. Farquhar & Co., Boston, Mass.
Mignonette, Farquhar's Universal.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
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Cyclamen and Pansy Seed.
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Arthur T. Boddington, New York.
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J. Bolgiano & Son, Baltimore, Md.
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Tomato Seed.
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Loechner & Co., New York, N. Y.
Oats, Barley and Wheat.
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P. Hamilton Goodsell, New York, N. Y.
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Wm. Elliott & Sons, 42 Vesey St.,
New York, N. Y.
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B. Hammond, Fishkill-on-Hudson, N. Y.
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SPHAGNUM MOSS

J. H. Sprague, Barnegat, N. J.
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Sphagnum Moss, large bales. Green
Moss in bbls. Laurel Bunches and Broken
Laurel. James Day, Milford, N. H.

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

STOVE PLANTS

Orchids—Largest stock in the country.
Stove plants and Crotons, finest collection.
Jullus Roehrs Co., Rutherford, N. J.

TO-BAR-INE

E. H. Hunt, Chicago, Ill.

TIP TOP TOBACCO POWDER

Interstate Tobacco Co., Inc.,
1397-1399 Ave. A, New York, N. Y.
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VENTILATING APPARATUS

Foley Mfg. Co., Chicago.

The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
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Quaker City Machine Works,
Richmond, Ind.
20th Century Arm.
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VINCAS

Vinca Minor, or grave myrtle, a hardy
evergreen trailing plant particularly adapted
to covering graves. It is a beautiful
dark green, thrives as well in dense shade
as in the sun. I have thousands of well
rooted outdoor grown plants and rooted
runners, \$5.00 per 1000. Samples free by
mail. C. M. Webb, Fayetteville, Tenn.

VIOLETS

Chas. H. Totty, Madison, N. J.
Gov. Herrick Violets.

Violets, Prince of Wales, strong, healthy,
field plants, \$6.00 per 100; \$55.00 per 1000.
Charles Lenker, Freeport, L. I., N. Y.

Violets, Princess of Wales, field grown,
\$5.00 per 100. Carnations, 150 White En-
chantress, 50 Lawson, \$5.00 per 100. Cash.
Chas. H. Green, Spencer, Mass.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works,
38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 112 Arch St. and
31 Otis St.

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Welch Bros. Co., 226 Devonshire St.
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H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

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Poehlmann Bros. Co., Morton Grove, Ill.
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J. A. Budlong, 37-39 Randolph St.
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Chicago Flower Growers' Association,
176 N. Michigan Ave.
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Chicago Carnation Co., 30 E. Randolph St.
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Cincinnati, Ohio

The J. M. McCullough's Sons Co.,
316 Walnut St.
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Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.
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WHOLESALE FLORISTS—Continued**Montreal**

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New York

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H. E. Froment, 57 W. 28th St., New York.
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E. C. Horan, 55 W. 28th St., New York.
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A. H. Langjahr, 130 W. 28th St., New York.
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James McManus, 55 W. 28th St., New York.
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W. F. Sheridan, 133 W. 28th St., New York.
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Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.

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Moore, Hentz & Nash, 55 and 57 W. 26th
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Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.

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P. J. Smith, 49 West 28th St., N. Y.

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Henry M. Robinson Co., New York, N. Y.
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J. K. Allen, New York, N. Y.

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A. L. Young & Co., New York, N. Y.
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Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
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Rochester

George B. Hart, 24 Stone St.
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New Offers In This Issue**FLORIST NOVELTIES FOR FALL TRADE.**

H. Bayersdorfer & Co., Phila., Pa.
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GALAX, FERNS, ETC.

Millington Fern Co., Millington, Mass.
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PREPARED OAK SPRAYS.

M. Rice & Co., Phila., Pa.
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RAMBLER ROSES FOR FORCING.

M. H. Walsh, Woods Hole, Mass.
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ROSE SPECIAL.

S. S. Pennock-Meehan Co., Phila., Pa.
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SEED PACKETS.

Brown Bag Filling Machine Co., Fitchburg,
Mass.

SEED GROWERS.

Everett B. Clark Seed Co., Milford, Conn.
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LILY OF THE VALLEY PIPS.

Fottler, Fiske, Rawson Co., Boston, Mass.
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In writing to Advertisers kindly mention Horticulture

FOR "POT LUCK" TRY US...

HEWS STANDARD POT'S

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS
**Pearson Street
LONG ISLAND CITY, N. Y.**
A. H. HEWS & CO., Inc.
**Main Office and Factories
CAMBRIDGE, MASS.**

Obituary.

Charles Seeley.

Charles Seeley, florist, 739 Grand street, Jersey City, N. J., died of gastritis on September 16, aged 53 years. He leaves a widow and three children.

W. R. Miller.

W. R. Miller, who had a greenhouse at 2128 Eastern avenue, Covington, Kentucky, died on September 23, aged 60 years. His wife and three sons survive him.

Henry Hession.

The death took place on the morning of the 9th inst. of Henry Hession, florist, of Flatbush, Brooklyn, N. Y. From the few details at hand at time of writing he was only ill for a few days, and after undergoing an operation in the hospital he returned to his home where he succumbed.

Benjamin Chase.

Benjamin Chase, well-known among florists and nurserymen as a pioneer in the wood label business, died at his home in Derry, N. H., on September 27th, aged 80 years. He was for many years a member of the American Association of Nurserymen and the Society of American Florists, serving as state vice-president of the latter for New Hampshire.

Frederick Jacquemin.

On September 20, Frederick Jacquemin, of the Jacquemin-Lambach Floral Co., 709 Washington avenue, St. Louis, Mo., died after a few months' illness. He was born in St. Louis and had always been connected with the business he was president of. This business was established by his mother 25 years ago. He was 49 years of age and leaves a widow and two sons.

William McLean.

William McLean, of McLean & Charlton, florists, St. John, N. B., died in that city on September 21, aged 65 years. For many years he conducted a vegetable greenhouse at Ashburn, afterwards establishing a florists' business there. He returned to St. John about eight years ago and formed a partnership with his son-in-law, William Charlton. One daughter and one brother survive him.

John Crawford.

An old-time retail florist of Philadelphia died on the 3rd inst. He had been in failing health for a number of years. Mr. Crawford or "Jack" Crawford, as he was universally known, was a familiar figure in local circles for over twenty-five years. He was associated with Pennock Bros., Fred Ehret and other well-known stores; and at one time conducted a retail

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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

FERTILIZER AGENTS WANTED—To handle Shell-Marl Land-Lime and other materials. Exclusive agency, liberal commission. Vermont Marl Co., Brattleboro, Vt.

SITUATIONS WANTED

ASSISTANT GARDENER
Wishes position on gentleman's place. Ten years' experience inside and outside in England and America. Best references. "A. B. C." care of HORTICULTURE.

SITUATION WANTED as head gardener; 15 years' experience inside and out; married, no children. Best references. F. T., care HORTICULTURE.

FOR SALE

FOR SALE—Fresh from factory, new: 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

MISCELLANEOUS

WANTED—100 Rock Maples not less than 2½ inch caliper; good stuff. What have you? Box 77, Nashua, N. H.

establishment of his own on 16th street below Chestnut street.

Wm. Baylor Hartland.

The death took place, on September 15th, of William Baylor Hartland, a well-known Irish horticulturist. Mr. Hartland was noted for the attention he had paid to bulb culture. He was the first to issue a purely daffodil catalogue, this being sent out in 1884. It is stated that to Mr. Hartland we are indebted for nearly a quarter of the cottage tulips in commerce. His tulip list—published in 1896—was the first issued exclusively devoted to this particular flower. He was very much respected by all with whom he had commercial dealings. W. H. ADSETT.



GREAT for HIGH NAILING

Pulls the nail out straight and easy. This is important in hot houses.

16 or 21 oz. Head.

Cheapest and handiest hammer ever made, when you consider what it will do. Costs three times more to make—but. At your dealer's or from us, delivery prepaid.

RETAIL \$1.00

DOUBLE CLAW HAMMER CO.
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BROADWAY
BROOKLYN
N. Y.



DREER'S

Florist Specialties,
New Brand. New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST

¾-inch, per ft., 15 c.
Reel of 500 ft., " 14½ c.
2 Reels, 1000 ft., " 14 c.
¾-inch, " 23 c.
Reels, 500 ft., " 12½ c.
Couplings furnished

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

1000 READY PACKED CRATES STANDARD FLOWER POT'S AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1¼ in. @ \$6.00	500 4 in. @ \$4.50
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1500 2¼ " " @ 5.25	320 5 " " @ 4.51
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August Roiker & Sons, 31 Barclay St., N. Y. City, Agents

OUR SPECIALTY—Long Distance and export trade

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.

New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POT'S

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts. Washington, D. C.

PULVERIZED OR SHREDDED

CATTLE MANURE

Pure, Dry, Safe and Reliable

The best of all manures for Roses. Clean, convenient and economical for top-dressing and mulching. Unequalled for potting soil.



PULVERIZED

SHEEP MANURE

There is a reason why Wizard Brand Sheep Manure is more extensively used by Florists than any other:—Best for Carnations and Chrysanthemums—Best for making bench soil—liquid manuring—and field work. Ask for our Growers' Booklet and know why Wizard Brand leads

THE PULVERIZED MANURE CO., - - 31 Union Stock Yards, CHICAGO

LEMON OIL CO'S STANDARD SOLUBLE IN WATER INSECTICIDE

Guaranteed under the Insecticide Act, 1910. Serial No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, etc. without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange. Effective where others fail.

1/4 Pint - - 25c; Pint - - 40c; Quart - - 75c
1/2 Gallon, \$1.25; Gallon, \$2.00; 5 Gallon Can, \$9
10 Gallon Can - - \$17.50

Dilute with water 30 to 50 parts

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct

Lemon Oil Company Dept. K
420 W. Lexington St., Baltimore, Md.
Directions on every package

Imp Soap Spray

Effective one to thirty-two.
Single gallons, \$1.50

Eastern Chemical Company
BOSTON

READ THIS

You will need to buy something this fall—stock, supplies, equipment, etc., for store or greenhouse. Look through the Buyers' Directory and List of Advertisers in this paper and you'll probably find what you want listed there. We are proud of the fact that HORTICULTURE is recognized as the best paper of its class in this country in quality of reading matter and also of the fact that it is coming to be acknowledged as the best advertising medium. The best friends of HORTICULTURE are those who buy from HORTICULTURE'S advertisers whenever possible and, in corresponding with the dealers always take the trifling trouble to refer to the paper. We have many such friends, otherwise our advertising columns would soon be deserted. Don't forget to do your part.

CLAYS FERTILIZER

112 lb. bag, \$5.50 56 lb. bag, \$3.00 28 lb. bag, \$1.75

Stumpp & Walter Co., 50 Barclay St., N. Y.**SLUG-SHOT**

USED FROM OCEAN TO OCEAN FOR 29 YEARS.

Sold by Seed Dealers of America.

Saves Currants, Potatoes, Cabbage, Melons, Flowers, Trees and Shrubs from Insects. Put up in popular packages at popular prices. Write for free pamphlet on Bugs and Blights, etc., to B. HAMMOND, Fishkill-on-Hudson, New York.

**STERILIZED
Sheep Manure**

For All Purposes

\$1.50 100 lbs., 1 Ton \$26

Wm. Elliott & Sons

42 VESEY ST., NEW YORK

Established 1845.

Green Flies and Black Flies Too are easy
to kill with

**"TIP-TOP"
BRAND****Tobacco Powder**

For fumigating or dusting. \$3.00 per
bag, 100 lbs. Write for free samples.
Money with order.

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Inc.**

1397-1399 Ave. A, NEW YORK

Money refunded if not satisfied. Beware of
imitations. Territory open for live jobbers.
Write for prices.

Cocoanut Fibre Soil

Is being used more and more in the
greenhouse and for covering lawns
from September to frost. Keep it in
stock, it is a seller.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST., BEVERLY, MASS.



The Recognized Standard Insecticide.

Not a cure-all but a specific remedy
for all sap sucking insects infesting
plant life such as green, black, white
fly, thrips, red spider, mealy bug and
soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust
and bench fungi. Does not stain the
foliage.

75c. per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. De-
stroys eel, cut, wire and grub worms,
maggots, root lice and ants. Used one
part to 400 parts water, it does not in-
jure plants, but protects your crops
against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are
effective in the greenhouse and in the
garden.

FOR SALE BY SEEDSMEN.

Aphine Manufacturing Co., Madison, N. J.

Manufacturers of Agricultural Chemicals
M. C. EBEL, General Manager.

FERTILENE

THE IDEAL PLANT FOOD.

Unequalled for Producing Lusty

CHRYSANTHEMUM BLOOMS

Ten pounds, \$3.00; twenty-five pounds,
\$6.00; fifty pounds, \$10.00. Sample packets
of one-half pound mailed for 30c. Sample
packets of one pound mailed for 50c.

ELMER D. SMITH & CO., ADRIAN, MICH.

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HORTICULTURE.**

GREENHOUSES BUILDING OR CONTEMPLATED.

Wilkesbarre, Pa.—C. E. Garrahan, house 24 x 65.

Auburn, R. I.—Ernest Howard, house 28 x 100.

Avondale, Pa.—Charles B. Snyder, sweet pea house.

Rosemont, Pa.—George H. McFadden, palm house.

Mt. Ephraim, N. J.—Walter B. Walsh, house 28 x 175.

Maple Shade, N. J.—C. F. Craythorne, house 25 x 200.

Minneapolis, Minn.—University of Minnesota, one house.

Akron, O.—D. L. Hollinger, 99 West South street, one house.

Chicago, Ill.—F. Greagor, Cottage Grove avenue, one house.

Columbus, O.—Charles Buehler, three houses each 20 x 100.

Spokane, Wash.—Patrick Leavey, 2722 Fiske street, one house.

Rochester, N. Y.—F. Schlegel's Sons, 770 South avenue, one house.

Spokane, Wash.—W. E. Peters, 2429 Wellesley avenue, one house.

Kansas City, Mo.—Lewis Walmsley, 917 Tracey avenue, one house

Nevada, Ia.—Blackman Bros., house 50 x 150; also service building.

Providence, R. I.—D. N. Potter estate, vegetable house 40 x 190.

Danielson, Conn.—Franklin & Crosby, Academy street, one house.

Hazleton, Pa.—Wm. and Asa Klinger, Sugarloaf, range of houses.

Bessemer, Ala.—Colonial Greenhouses, Mrs. W. D. Brown, proprietor, one house.

Bridgeport, Conn.—Chas. Pfomm's Sons, Barnum and Central avenues, one house.

Catlin, Ill.—Mrs. Florence Terpening, Sandusky and Lookout streets, house 60 x 100.

Providence, R. I.—John W. Hogan, house 32 x 100. F. P. Swanson, house 25 x 100. W. S. Tosdoff, house 22 x 125.

Los Angeles, Calif.—J. B. Booker, 720 East Vernon avenue, range of houses. Howard & Smith, 849 South Olives trete, house 50x125; office, 60x 80.

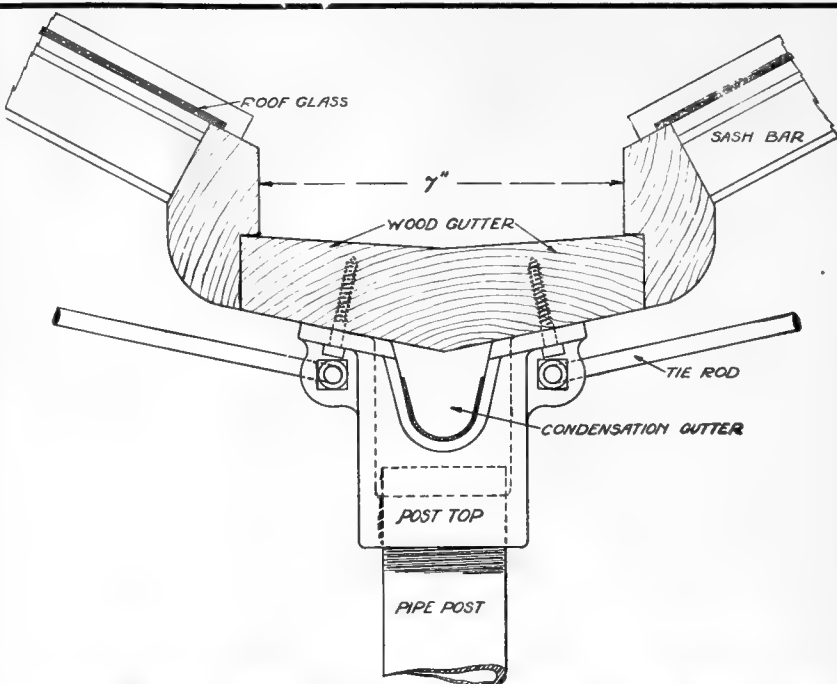
Montebello, Cal.—J. A. Norris & Son, South Figueroa and West Washington streets, are building a lath house covering three acres and expect to build greenhouses later.

Skowhegan, Me.—F. G. Danforth, 166 Madison avenue, has just finished a rose house, 30 x 125, and a carnation house, 20 x 125. He now has a plant of six houses and grows a general line of cut flowers and bedding plants, both wholesale and retail.

GLASS

for GREENHOUSE and HOT BED SASHES. Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.
215-217 Havemeyer St., Brooklyn, N. Y.



KING GUTTER made of WOOD

“LEST YOU FORGET”

WE WANT YOU TO KNOW THAT WE HAVE A WOOD GUTTER, AND A GOOD ONE TOO. IT COMBINES ALL THE GOOD POINTS OF OTHER WOOD GUTTERS “AND THEN SOME”

NOTE THAT THE CONDENSATION AND DRIP RUN DOWN THE SIDES AND SLOPING BOTTOM TO A DRIP PAN PLACED UNDER THE GUTTER WHERE IT MAKES NO SHADE

WE KNOW IT WILL DO THAT, FOR WE HAVE TRIED IT. THIS GUTTER LEADS ITSELF TO AN OUTSIDE WALL AS AN EAVE MOST ADMIRABLY

LET US FIGURE WITH YOU

ON ANY GREENHOUSE PROJECT YOU HAVE IN MIND, WE MAY GIVE YOU IDEAS AND YOU WILL SEE

A GREAT LIGHT

WRITE US

KING CONSTRUCTION CO.

Head Office & Works
N. TONAWANDA, N. Y.

Eastern Sales Office
1181 Broadway, NEW YORK

Boston Office: Winthrop Building, 7 Water St., Boston, Mass.

Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

DREYER A. DREYER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No 2

Greenhouse Materials FURNISHED AND ERECTED IRON or WOOD SASH BARS

In all lengths up to 32 feet. Milled to any detail furnished or will furnish details and cut materials ready for erection.

Frank Van Assche, Fulton Ave., Rose Ave.
and Dwight Street
JERSEY CITY, N. J.



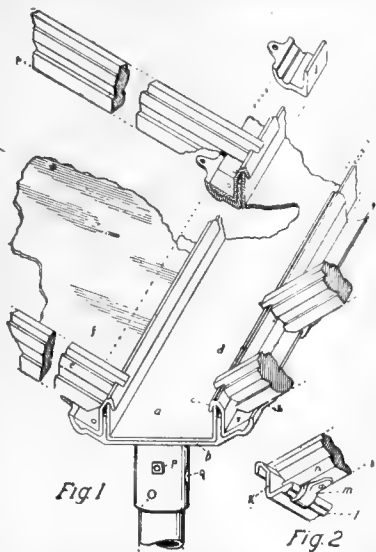
Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

WROUGHT IRON PIPE FOR SALE

Rethreaded, thoroughly overhauled, in random lengths, guaranteed free from splits or holes.

It will pay you to communicate with us.
ALBERT & DAVIDSON
217-23 Union Avenue Brooklyn, N. Y.

Metropolitan Patent IRON GUTTER

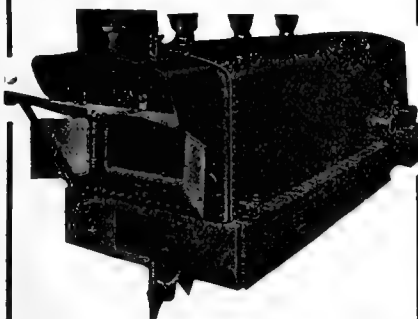


One of the features of this Gutter is that it can be put up in wrought iron any lengths (without boring holes), by bolting the Gutter together and screwing clip to the roof bars, for any size glass.

Metropolitan Material Company
1398-1408 Metropolitan Avenue
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Apparatus

when ordering your building material. Our machines have satisfied the most critical users and will continue to do so.

Remember that we absolutely guarantee our apparatus to give perfect satisfaction.

We want you to have our catalog. Send us your name and address and we will forward one at once.



ADVANCE CO. - Richmond, Ind.

FOUR OF THE FINEST GREENHOUSES IN THE WORLD

were built recently with Foley Materials
by the E. G. Hill Co., Richmond, Ind.

Send for Booklet Describing This Range

THE FOLEY M'F'G COMPANY

1133 Broadway
New York, N. Y. **CHICAGO** - **ILL.** **Phila., Pa.**

Main Office and Factory

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West End Trust Bldg.

Phila., Pa.

Improved Double Glass SASH

OUR Complete Line, Large Stock and Long Experience will enable us to serve you exceptionally well. The confidence which the Florists and Gardeners have in our House is the result of

TWENTY-FIVE YEARS OF FAIR DEALING

with them. We are especially anxious to quote you on our Improved Double Glass Sash, Pecky Cypress, Greenhouse Glass, Putty and Hemlock Boards

V. E. REICH, 1429-1431 Metropolitan Ave.
PATENTEE BROOKLYN, NEW YORK

SHARP, PARTRIDGE & CO.

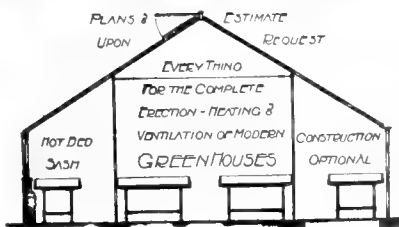
Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

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CHARLES H. DODD

Greenhouse Builder, General Greenhouse Mechanic.
Iron Frame and Wood Bar Houses.
Ideal Greenhouse Boilers.
Materials Furnished or Erected. Heating and Ventilating Materials.

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CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER
GREENHOUSES
ERECTED AND EQUIPPED COMPLETE IF DESIRED

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Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

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THE FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of 32,500,000 sq. ft. of glass
For particulars address
John G. Esler, Sec'y Saddle River, N. J.



Greenhouses and Conservatories

By sending for our new catalogue you will have a quick and conclusive way of getting a line on the character of work we do and some for whom we have done it.

If you want to go into construction details — they are there — briefly told and thoroughly illustrated.

Send for this catalog.

Hitchings & Company

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The **SERVICE BUILDING** is usually a source of great annoyance to the up-to-date gardener and it requires architectural ability to design appropriate **Potting Houses** that will add to the attractiveness of the Greenhouses. You will admit that this **SERVICE BUILDING** is unusually attractive. Its Old English Architecture is along the same lines as other buildings on this large estate; it is equipped with all modern improvements for the comfort of the gardener and his assistants and the connecting house, sixteen feet long (ample for Propagating purposes), prevents the shading of adjoining houses.

Will be glad to talk to you on the **SERVICE BUILDING**.



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West Side Avenue Station
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THE BEAUTIFUL SYMMETRY of lines ONLY secured in THE LUTTON PATENTED CURVED EAVE IRON FRAME HOUSE is easily distinguishable. It is the ARTISTIC application to the small details that commands the attention of the most CRITICAL.

JUST note the construction of the HOOD over doorway. ITS SIMPLICITY and how IT HARMONIZES with the general appearance of the construction. THAT is only one of the details. Throughout the entire arrangement the same original mechanical ability is employed. THEN again this construction is patented, UNITED STATES PATENT NO. 902,155. A POSITIVE ASSURANCE of receiving the genuine successful CURVED EAVE. Write for more particulars.

HORTICULTURE

Vol. XVI. OCTOBER 19, 1912 No. 16



LAELIO-CATTELYA BEDOUTIN
L. purpurata - L. C. Hyema

*Devoted to the
FLORIST, PLANTSMAN,
LANDSCAPE GARDENER,
and
Kindred Interests*

*Published
EVERY SATURDAY
At 11 Hamilton Place
BOSTON, MASS.
Subscription, \$1.00*

Rice's Famous Wheat Sheaves

Our sheaves are made of the best Italian wheat and are full weight

Note low prices on Flat Sheaves

000 size 12	inch per dozen	\$.50	6 size 22	inch per dozen	\$5.00
00 " 13	" " "	.60	7 " 23½	" " "	6.00
0 " 14	" " "	.75	8 " 25	" " "	7.00
1 " 15	" " "	1.00	9 " 26½	" " "	8.00
2 " 16	" " "	1.50	10 " 28	" " "	10.00
3 " 17	" " "	2.00	11 " 30	" " "	12.00
3A " 18	" " "	2.40	12 " 32	" " "	15.00
4 " 19	" " "	3.00	13 " 34	" " "	18.00
5 " 20½	" " "	4.00			

Rice's Imported Prepared Cycas Leaves

We have had a phenomenal sale of these leaves and ran out of some sizes, new shipment just received, enables us to ship all orders promptly.

Size 8-12	inch per hundred	\$2.25	Size 29-32	inch per hundred	\$5.50
" 13-16	" " "	2.75	" 33-36	" " "	6.00
" 17-20	" " "	3.25	" 37-40	" " "	7.00
" 21-24	" " "	4.00	" 41-44	" " "	8.50
" 25-28	" " "	5.00	" 45-48	" " "	10.50

Our "Willing Helper" Katalog is a great helper, write for it today

M. RICE & CO.,

THE LEADING FLORISTS' SUPPLY HOUSE AND RIBBON SPECIALISTS

1220 Race Street

PHILADELPHIA, PA.

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We have a magnificent stock of exceptionally fine *NEPHROLEPIS* in the following varieties, viz.:

ELEGANTISSIMA, 6-inch pots, .50c. each; 8-inch, \$1.00 each; extra fine specimens, 12-inch, \$4.00 to \$5.00 each.

ELEGANTISSIMA COMPACTA, 8-inch pots, \$1.00 each.

HARRISII—an improved *Bostoniensis*. Extra fine plants, 8-inch pots, \$1.00 each.

BOSTONIENSIS, 8-inch pots, \$1.00 each; 6-inch pots, 50c. each.

GIATRASIL, 8-inch pots, \$1.00 each.

SCOTTII, 6-inch pots, 50c. each; 8-inch pots, \$1.00 each.

VIRIDISSIMA, 10-inch pots, \$2.00 to \$3.00 each; 3½-inch pots, 15c. each.

MAGNIFICA, 3½-inch pots, 25c. each; 6-inch, 75c. each.

ASPARAGUS PLUMOSUS NANUS, 2½-inch pots, \$4.00 per 100.

CROTONS

Best assorted varieties in 5-in. and 6-in. pots, \$6.00, \$9.00 and \$12.00 per dozen.

PAPER WHITE GRANDIFLORA NARCISSUS

13 c/m bulbs, \$8.50 per 1,000; 14 c/m bulbs, \$10.50 per 1,000.

FREESIAS

French-grown.

Mammoth bulbs, ¾ in. and up, \$12.00 per 1,000; Extra sized bulbs, ½ to ¾ in., \$9.00 per 1,000.

AZALEAS

Best Standard Commercial Varieties. New Importation. Ready in October.

Diameter.	Per Doz.	Per 100.
Plants.... 10-12 in.	\$8.00	\$40.00
Plants.... 12-14 in.	9.00	50.00
Plants.... 14-16 in.	12.00	70.00
Plants.... 16-18 in.	15.00	100.00

LILY OF THE VALLEY

Cold storage. Very finest quality obtainable. Packed in cases of 500 and 1,000.

LILIUM GIGANTEUM

Cold storage. 7-9 inch bulbs; case lots of 300.

PHOENIX ROEBELENI

The finest and most graceful of all palms. Hardest for summer decoration. Ironclad. Does splendidly out of doors. Fine specimens in new 12-in. tubs, \$5.00 each.

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Largest Importers, Exporters, Growers and Hybridists in the World

SANDER, St. Alban's, England
and 258 Broadway, Room 721
NEW YORK CITY

HYBRID ORCHIDS

FLOWERED AND
UNFLOWERED....

Julius Roehrs Co.

Rutherford, N. J.

ORCHIDS

Freshly Imported in Fine Condition. *Cattleya Gigas*. From the same place where we found the rare *C. G. alba*.

C. Gaskelliana, *C. Trianae*, *C. Schroederiae*, *Oncidium papilio* and *Kramerianum*. Also a quantity of *Oncidium varicosum* Rogersii, small plants in spike, doz., \$18.00.

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Best Assorted Varieties, 2½ in. pots, \$3.50 per 100; \$30.00 per 1000.
500 at thousand rates.

Cash with order.

Frank Oechslein, 4911 W. Quincy St., Chicago, Ill.

F. R. PIERSON CO., Tarrytown-on-Hudson
NEW YORK

ROBERT CRAIG CO.
ROSES, PALMS,

and Novelties in Decorative Plants.
MARKET and 49th STREETS, PHILADELPHIA, PA.

ROTTED 5000 PEAT
SACKS
Best quality. Aug. and Sept. price, 60c. per sack, any quantity.

SPHAGNUM SELECTED STOCK
NICELY BURLAPPED **MOSS**
10 bbl. bales, per bale, \$4.00; 5 bales, \$3.75 each; 10 bales, \$3.50 each; 25 bales, \$3.25 each.

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CHILDS' GLADIOLI
are noted the world over for
SUPERIOR MERIT
John Lewis Childs
FLOWERFIELD, L. I., N. Y.

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HARDY PHLOX—R. P. Struthers, Mozart, Obergartner Wittig, Mrs. Jenkins, Gen'l Von Heutoz, 3 in. pots, \$3.00 per 100; \$25.00 per 1000

	2 in. pot, per 100	3 in. pot, per 100
SWAINSONA —Alba and Rosea	\$2.00	\$3.00
ALYSSUM —Giant Double	2.00	
GERANIUMS —good assortment	2.00	3.00
COLEUS —10 varieties	2.00	3.00
ALTERNANTHERA —6 varieties	2.00	

	2 in. pot, per 100	3 in. pot, per 100
HELIOTROPE —light and dark purple	\$2.00	\$3.00
BEGONIA —Vernon, pink and whit		3.00
HARDY ENGLISH IVY —	2.00	3.00
ASPARAGUS SPRENGERI —		3.00

R. VINCENT, JR. & SONS CO., Growers of Plants, **WHITE MARSH, MD.**

BEGONIA, GLORY OF CINCINNATI

We now have ready for delivery, strong 2½-inch, ready for 4-inch pots, at \$15.00 per 100; \$140.00 per 1000.

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Westwood, Cincinnati, O.

CYCLAMEN

Best strain in existence.

4 in. pots ready for 5 in., \$20 per 100

5 in. pots ready for 7 in., \$50 per 100

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BOSTON FERNS \$3.00 per 100, \$30 1000

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Orders taken now for IMPORTED AZALEAS

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See Pages 552, 553, 554, 555

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In writing to Advertisers kindly mention Horticulture

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Azaleas

These plants should be procured as soon as possible and got into shape. They should be unpacked as soon as received as they may have been boxed up for four or five weeks. Give the ball of roots a good dipping in a tub of water for at least an hour, which will be sufficient to soak them through. They can be potted in 6 to 8 in. azalea pots, using any good grade of potting soil. Pot them firmly so that the soil gets in all around the ball and the pot. Stand in a cool shady place and refresh them with a spraying occasionally. Those that you want for holiday forcing should be gradually inured to the sun and placed in a cool house which will get them into shape for a warmer place in two or three weeks. Those wanted for Easter should be stored in a cool pit where they will get sufficient light and where the frost can be excluded in zero weather.

Callas

To grow good callas the first importance is direct and strong sunlight, so see that they have it. From this time on they will require some fire heat to maintain a temperature of from 58 to 60 degrees at night. Where they have proper drainage, they will require lots of water at the roots to keep them right. Do not neglect to give them a good syringing on all bright days to keep thrips in check; a mere wetting of the plants will not suffice. In a short time the pots will be well filled with roots. Then they can have plenty of liquid feeding which will give them the needed nourishment to keep them in good growth with plenty of flowers. To avoid a dry and arid atmosphere damping down will be necessary at least twice a day and ventilation should be given whenever possible in a judicious manner to avoid also a muggy condition. Fumigation should be practiced persistently from now on.

Ericas

Such ericas as *E. melanthera*, *E. hyemalis* and *E. gracilis*, to have them in flower for Christmas should be placed in a house where they can have a temperature of from 45 to 50 degrees at night, but do not let this temperature be exceeded as they do not like too much forcing. To ensure a free, healthy growth, ventilation is a most valuable agent in growing these plants. Ericas will not stand anything like a stuffy or stagnant atmosphere. Pay attention to watering at the root for they like an even amount of moisture in the soil. If the soil is impoverished give liquid manure twice a week, but only in moderately weak doses, for when given too strong it does more harm than good. Watch out for mildew

and where any of them show signs of it remove them to some other place, and blow sulphur over the plants while the sun is shining, which will help to check it.

Lilies for the Holidays

See that lilies intended for the Christmas trade are given faithful attention in every way now. Place them as near the glass as possible and look them over often so none will suffer for want of water at the roots. Keep plenty of moisture in the atmosphere by damping down the walks two or three times a day, as they delight in a superabundance of atmospheric moisture. Ventilation should be done with care so as to avoid cold draughts. Use the syringe freely during all bright days which will help to keep them clean. These plants soon exhaust the soil in the pots, so they should have some nourishing in the way of liquid manure, once or twice a week to avert actual deficiency of plant food in the soil. When the lilies have their pots well filled with roots they will stand a temperature anywhere from 65 to 70 degrees at night with a rise of 10 or 15 with sunshine. Fumigate often now.

Pandanus Veitchii

These plants require careful handling from this out and will need fire heat right along now. Some days quite a brisk fire will be needed to keep the temperature from 65 to 70 degrees at night, whereas other days that are warm will need only a little warmth in the pipes. Ventilation is a matter that will take a fair amount of attention and care to prevent sudden rising or falling of the temperature. Where the plants are pot-bound they would be better for a shift now than later. Give them a compost of three parts turfy loam, to one of well-rotted manure. These plants will not do well unless the water passes off freely so give them plenty of drainage. From this out they will luxuriate in the full blaze of the sun, so see that they have a sunny place. Where you have plants that are showing a lot of suckers put in a batch in small pots with a sandy mixture and plunge in a warm propagating bed to root.

Shamrocks for St. Patrick's Day

Now is the time to get some shamrock seed and sow without delay. They can be sown in pans or flats in a compost of soil and leaf mold in equal parts with a little sand. Place in a close moist house and cover with a pane of glass until the seeds begin to germinate when they should be put in a cool and airy house. When large enough they can be pricked out in flats and grown on. After January they can be potted up into whatever size desired.

Mr. Farrell's next notes will be on the following: Acacias; Begonias; Cannas; Care of Summer Flowering Cattleys; Peonies for Forcing; Wallflowers.

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Horticulture

Publicity among the kind of readers reached by this paper is THE SORT OF PUBLICITY THAT PAYS.

FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Storing in Fruit House

Under this heading it was hoped to pen a few lines before the articles in these columns ceased for a few weeks. As they were omitted at that time, (perhaps a more appropriate time than the present), we will lead off with it now. It is a question which always presents itself every fall, that of storing tender flowering shrubs which have been growing outside all the summer, away from the early frosts. The dormant fruit houses are sometimes looked upon as the spot and until cleaning time comes along, no objection can be entertained, yet there is a danger often overlooked—that of bringing in live stock—bugs, etc., on to the vines. A vinery with bugs once established is always a source of trouble and no little care should be exercised to keep them clean. No matter how little any plants may have on them, and although it may be a dormant season, there are sure to be a few left behind; settlers, colonials, aliens, or green-horns, call 'em what you like, they are usually there to stay and to make trouble. Now this is a problem to think about; such trees must be stored as soon as there is danger of severe frosts, and just where to store them is the question. No objection may be raised to storing them for a time in the fruit houses, if they are clean, but should any be infected with any kind of aphid it will be well to consider the after effects—labor entailed eradicating possible pests.

Pot Vines

Pot vines intended to produce the first crop of grapes in the coming year should now be ripened up in every possible way. The maximum of weather should be brought to bear on them by placing them in a fully exposed position, where they will get all the sun possible through the day and feel the cold evenings and early frosts at night. In this way the wood will be thoroughly ripened, the buds will be good and solid and the canes will soon be at rest, all of which helps to spell success later. When the canes have cast their foliage, remove the short growths which have been made by stopping the laterals at one eye, using a sharp knife to do so, making a clean cut which should receive a dressing of "styptic" to prevent bleeding at the time of starting. Incline the roots to the dry side but avoid a dust-dry state or some of the valuable fibrous roots will be lost.

Figs

Figs are among our tenderest subjects and should not be subjected to any severe frosts: a few degrees will not hurt them—in fact will be beneficial. Any trees growing in pots or tubs, which are now going through the renovating process, should be placed on one end of the block, so that they can be easily removed to shelter upon

the approach of cold weather. Fig trees planted out in the houses should be treated similarly; leave the house open until five or six degrees of frost is registered when precautions should be taken to check a further decrease of temperature; otherwise the first crop for next year and some of the growths may be damaged.

Pot Fruit Trees

Pot fruit trees of all kinds will now be casting their foliage and should be thoroughly overhauled, pruned, repotted and prepared for winter quarters. Where a quantity of trees have to be dealt with it is best to erect a temporary potting bench in some convenient spot outside. The less the trees are shifted around the better at this time of year as the buds are easily rubbed off, especially so with peaches and nectarines. Carrying them to and from the potting shed, through doors, etc., is always to be avoided if possible; then again head room is often limited. All this can be alleviated by the erection of a temporary bench if sufficient trees are on hand to justify this little extra time being spent. The pots having been got in readiness previously must now be properly drained. This is an essential point; later on in the growing season a water-logged pot is deplorable. The soil should consist of half-decayed loam, with plenty of lime rubble or plaster broken up small, mixed into it. Pruning will be light if the trees were properly disbudded, but it will be wise to look them over, removing any dead wood and also that which is too crowded for another season. In handling the trees special care should be taken of base growths, these are so easily broken, and in a few years the trees will look like standards. Trees which have had rims added to the pot to allow of top dressing will need to have these removed and the only disadvantage to them will be discovered, viz., a quantity of surface roots will have found their way up and when it comes to repotting they are found to be too high. After throwing off the pot remove the old crocks and as much of the bottom soil as possible; shake off all the top dressing, carefully preserving all the fibrous roots and remove all the top soil you can. Trees that have made a quantity of roots will have to be given a shift, but do not give it unless absolutely necessary. If a sufficient quantity of the old soil can be removed from the ball to allow of its going back into the same size pot, put it back again. If a shift is necessary make it as small as you can for there is no advantage in rushing the trees on into very large pots or tubs. Proportionately no more fruit is obtained and they are more easily handled in a smaller pot. When potting, the soil must be worked down thoroughly and rammed firm between the ball and pot. This is sometimes a difficult job with only a small space to fill, nevertheless no holes must be left, in anticipation of the best results. A full compliment of rammers will be needed—large and small, thin and thick: some pots will cause you to use four or five, each a different size and shape. These trusted weapons of the potting bench will improve with age, especially to the hand that is using them, as use wears the rough corners off. See that they are stored away

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

The Rose Cellar

This is never missing in a rose growing establishment. Although cellars on some places are very crude the rose or flower cellar should receive a little more attention, keeping it nicely painted and neat at all times. It is surprising what a great difference a little paint and a cleaning up will make. Brooms are not so very high-priced and no one should be afraid to use one often for fear of wearing it out. Brush down every cobweb and do not give Mr. Spider a chance to make more. Get rid of Mr. Spider himself.

On places where considerable of the output is retailed or sold direct to retailers, many sizes of boxes must continually be kept on hand all lined with paper and ready to use. Keep these nicely piled up and free from dust. It is disgusting to see a box leave the place all covered with coal dust. If you use paper boxes have some way to keep them out of water, for although boxes are made more or less waterproof they were never intended to float around in pools of water on the packing bench. A good way is to have a frame made of some material $\frac{1}{2}$ in. in thickness. This can be covered with galvanized wire $\frac{1}{4}$ in. mesh, and by laying this wire covered frame on the packing table under the box, the box will be perfectly dry as all water will go through the screen and the frame will keep the box away from it.

Red Spider

Keep right after Mr. Spider and whenever you get a chance syringe the plants quickly and thoroughly. It does little good to soak the whole house and then only

when the job is through. Sufficient room must be left to allow of watering. Immediately after potting they should receive a good soaking and also be syringed over twice daily while good weather lasts. Should it be contemplated to leave them outside for sometime, provision can be made for plunging the pots. Do not allow the trees to become dry at the root or the flower buds are liable to fall.

Care of Cucumbers

To obtain the best results from cucumbers periodical top-dressings should be given to keep the roots active and stimulate the plants. At the time of planting it was recommended only to give the plants sufficient soil to cover the balls after being removed from the pots. Immediately the roots were seen pushing through this, a top dressing should have been given to them, after which a repetition of the same process will be necessary at intervals of about ten days. Until the plants have attained some size and have some fruits to support just a moderately rich soil will suit them. When a crop is swelling use the following mixture: Two parts loam, one part leaf soil and one part horse manure with a

have it syringed in places. Make sure you reach every little corner—every leaf in fact—and if you do this every time you syringe you will have but little trouble with spider. Syringing is the best and cheapest remedy we know of so far although there are one or two good insecticides that will rid plants of it. However it is very difficult to reach all the foliage—the bottom side of it at that—and not waste any material. There is always bound to be waste and this is what would make spraying to keep spider out too expensive.

Watering Plants After a Crop

Do not make a mistake so commonly made among Beauty growers and apply water to plants that have been cutting heavily, as you did when the crop was coming on. Plants after a crop should have a little lime and be run on the dry side a little until after they begin to break, when a light dressing of bonemeal and a light mulch of cow manure may be applied, after which the plants can receive as much water as usual. In drying out the plants do not let them get dry enough to damage any leaves, but at the same time if too much water is applied at this period a dose of spot will almost surely follow.

Yellow Leaves

Where at all possible, keep the benches free from yellow leaves. It is none too good for the plants to have a lot of their own leaves around their roots decaying and breeding diseases. Pick them all up as fast as possible, and burn them. Do not leave them decaying on a rubbish pile near the greenhouse. They will only harbor bugs, breed fungus and make the place look bad in the bargain. This is the way to treat spot, too. Pick it off and burn it at once. Clean underneath the bench once in a while too, not sweep the leaves under them.

little sand. Keep the roots moist at all times, as a cucumber resents draught. Syringe the plants each morning in good weather and also at the time of closing down, which should be early enough to allow the house to run up to 90 degrees and have the plants dry by night. Fumigate immediately green fly or any of its associates make their appearance.

Bush Beans

Bush beans are a profitable and welcome vegetable for winter culture, being easily grown and producing a crop in a short space of time. To keep up a succession sow at intervals of a week or ten days, in the benches eighteen inches apart, using the double row system. Use the best soil procurable, which lessens the necessity of feeding later. Keep a night temperature of 55 degrees to 58 degrees, advancing by day, and syringe each morning in good weather to keep down red spider. This and mildew are about the worst impediments to good health a bean has. For general purposes we have discovered nothing amongst the newer varieties to surpass Black Valentine. The crop is larger than the majority and they always "eat" good and crisp.

HORTICULTURE

VOL. XVI

OCTOBER 19, 1912

NO 16

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

Entered as second-class matter December 8, 1904, at the Post Office at
 Boston, Mass., under the Act of Congress of March 3, 1879.

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An unfair and futile proposition

A few weeks ago, under the heading of "Frenzied Quarantine," we took occasion to comment upon the hysterical hue and cry for government inspection and quarantine against material liable to carry plant diseases and insect infestation which has now come to be almost a daily incident from one direction or another. Among the latest are the issuance of a California state edict against all vegetables, nursery stock, etc., from the whole tier of Southern States; a campaign to secure expert examination of all mail matter

entering California under the parcels post law; and, now, a hearing before the Horticultural Board at Washington on October 30 to decide whether the nursery stock and other horticultural products of New England shall be shut off from shipment into other states on account of the possibility of carrying the gypsy and browntail moths to new localities. Admitted the necessity of protecting crops from the depredations of insect and fungous pests and agreeing that all practicable means must be taken to prevent the spread of these scourges to other sections, the question arises as to whether a quarantine such as is now proposed would have any effect of sufficient weight to justify the deliberate crippling of a long established, reputable and useful industry such as the nursery trade of the New England States. As to the brown-tail moth, a watch for their web-nests on tree shipments would accomplish all that it is possible to accomplish by inspection. The prohibition of shipments from infested territory would bear hard on the nursery trade but would not exclude the brown-tail, for the method of distribution of this moth is by flight in midsummer and thus a law against wind and water would be just as sensible and just as effectual as a quarantine against the brown-tail, as everyone familiar with the life history and habits of the insect well understands. So far as the gypsy moth is concerned inspection of nursery stock shipments will accomplish practically nothing, but a permit based upon an intelligent summer inspection of the nurseries would mean something and should be insisted upon without qualification. Unlike the brown-tail, the female gypsy moth cannot fly, and consequently is itself incapable of extending its field of depredation except by very slow and very evident stages. The mediums by which the gypsy is carried from one place to another are, in the caterpillar stage, largely carriages, autos and railroad cars; also in the egg period, by railroad ties or other timber, rails, granite or similarly exposed material. A freight car left on a siding in an infested region for a few days in the egg-laying season in July can transport the pest across the continent, with detection practically impossible. Nursery-grown products are, indeed, infinitesimal in their liability to disseminate the pests for, in self-protection, nursery stock is necessarily kept clean, and it is as wasteful and ill-advised as it is fruitless, wrong in principle and ethics as it appears to be in motive, to oppress, as is contemplated, an industry and a section already hard pressed and overburdened with the expenditure of many millions of dollars in the cause, because of ignorance of the situation or to gratify the rapacity of interests that might, through this proposed restriction, reap a selfish commercial advantage.

Laelio-cattleya Bedouin

The beautiful orchid that is the subject of our cover illustration was one of the gems of the collection of Sir George Holford, shown at the Royal Horticultural Exhibition in London. H. G. Alexander, the grower in charge, is known the world over as one of the leading orchid growers of England.

GREGOR JOHANN MENDEL.

Although much has been written these last few years in regard to Mendel's law and by this time nearly everybody has heard about it, there are really few persons who can say that they are acquainted with the life history of the discoverer.

Bateson, who has probably done more than any other searcher to popularize the theory of Mendel's law, has also applied himself with infinite love and sacrifice to the collection of all the available data pertaining to a life history of Gregor Johann Mendel. ("Mendel's Principles of Heredity"), Cambridge, 1909.

Johann Mendel was born July 22, 1822, in Heinzendorf near Odrau in Kuhlant, a province of Austrian Silesia. Heinzendorf, so to speak, represents a small island of German population, surrounded by Slavs.

From his father, a small tenant farmer, Mendel early learned the art of grafting. His uncle on his mother's side, who seems to have been an intelligent man and who did much for the education of children by endowing special classes of instruction at his own expense, helped little Johann along in his earlier years at school. In the village school Mendel showed such intelligence that he was sent to a better school at Leibnitz and later to the high schools at Trollau and Olmuetz. To cover the expenses of this education, Mendel was obliged to accept the help of his sister who sacrificed part of her dowry and for this act of kindness Mendel felt himself indebted to his sister for the rest of his life.

Through the influence of one of his teachers who was an Augustine monk, Mendel, after completing his high school term, became a candidate for admission to the Augustine cloister of St. Thomas (King's cloister), in Bruenn. He was given the name of Gregor and appointed to educational work. In 1847 Mendel was consecrated priest and sent to the University of Vienna from 1851 to 1853 at the expense of the cloister. He applied himself to the study of mathematics, physics and natural history, after which he taught at the polytechnical school of Bruenn until 1868 when he was elected Abbott or Prelate of the King's cloister.

While still a novice at this cloister, Mendel had already begun his experiments in hybridization on the plants in the large garden of the cloister. From these experiments his name was

to become famous all over the world. After eight years of painstaking and intelligent research into the field of heredity, conducted through generation after generation of garden peas, Mendel was convinced that he had solved the problem of heredity and submitted the result of his labors to the "Society of Natural History" of Bruenn in 1865. But his efforts found no consideration with this body, nor, after publication, did he meet with any better success in the sessions of similar societies elsewhere. His publications in regard to "Hieracium Bastards" met the same fate. Mendel also experimented with bees, but unfortunately his observations in this line, which were published under "Bee Culture," have been lost.

The appointment to the prelacy put an end to the scientific researches of Mendel. The fifteen years before his death were filled with the work of his position, more so as he applied himself to fighting a state law, exacting, in his estimation, unjust duties of his cloister. These laws were eventually abolished shortly before his death. This struggle at law changed Mendel from a man of a jovial and friendly disposition into a bitter and mistrusting misanthrope. His health began to fail and he died of Bright's Disease January 6, 1884.

Mendel was a man of great energy. He published regular meteorological reports and observations on sun spots. He was presiding officer of the "Mortgage Bank of Maehren" and a celebrated chess player. His home town, Heinzendorf, is indebted to him for the installation of a fire department.

The fact that Mendel's discoveries, which are so plain and which have been so universally verified, could have been so long overlooked and neglected, is almost inexplicable, more so as Mendel corresponded with Naegely, the great naturalist and acquainted him with his investigations. Already in 1861, the French Academy had offered a price for a paper on plant hybridization. Well-known naturalists and scientists of the time busied themselves with the problem and came near solving it, without, however, being able to clearly demonstrate the principle.

Bateson is of the opinion that Darwin's epoch-making theory, which at that time revolutionized all the views of the scientists and which was regarded as solving all questions in regard to heredity, has been responsible for the distracting of attention from researches in this particular line. Darwin's theory really stopped all efforts for a long time. We can hardly realize to what extent Darwin might have

been effected and how his theory might have been shaped entirely different if Darwin himself had been aware of Mendel's discovery. As it is, it was only a short notice in Focke's work on "Plant Mongrels" (1881), which in 1900 led to the discovery and verification of Mendel's work and papers by De Vries, Correns and Tschermak.

From this dates a new era and when Mendel said, as he did, "My time is sure to come," he built his hopes upon a sure foundation. Sure, it was fifteen years after his death, but his time has come. Mendel was very much ahead of his time, but he has proven that diligent application to one's ideals will in time be fully appreciated.

THE EFFECTS OF SOIL LIMING.

At the meeting of the Lenox (Mass.) Horticultural Society on October 5, Professor Haskins of Amherst College gave a splendid lecture on the use of lime for horticultural and agricultural purposes. He said that the secondary and indirect results which will follow an application of lime must vary with soil conditions, but the possible effects which are of importance are that free acid if present is neutralized and a sour soil is sweetened, also that the less soluble potash compounds of the soil are rendered available and the need of potash manure will be lessened at least for a time; but it must be understood that liming will not permanently take the place of potash manuring and if persisted in without application of potash will ultimately result in the exhaustion of the soil. Various fertilizers such as sulphate of ammonia will give poor results if the soil has not first been heavily limed. Lime is especially favorable to heavy and clayey soils, it disintegrates the clay particles and makes it more friable and permeable. It has also been tested that the soil must have a heavy coat of lime if one hopes to be successful in growing a good crop of alfalfa. The same also applies to all kinds of fruit except the blackberry or strawberry. Experiments have proved that those do not particularly require lime. The patch of land intended for potatoes should not be limed the same season the potatoes are planted, but two or three seasons previous and then the tubers are less likely to become affected with scab. Mr. Haskins made tests with various soils brought from the Westinghouse estate which proved very instructive and bore out his conclusions.

Preparations for the exhibition on October 24 and 25 are well completed. Competition will again be very keen and a great success is anticipated.

ROSE HOUSES OF MILLER FLORAL COMPANY, FARMINGTON, UTAH.



CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The regular meeting of this Club on Tuesday evening was a specially interesting occasion. There were some good exhibits, an excellent paper by George Stewart, an interesting talk by W. E. Tricker, all on chrysanthemum topics and some lively discussions that kept the members in session until a late hour.

Resolutions on the death of J. A. Pettigrew were read by J. K. M. L. Farquhar. The report of progress by W. Downs for the landscape gardening-class was the occasion for much debate and some moderate criticism. The committee will still wrestle with the problem and will discuss with the officers of the Mass. Horticultural plans for a possible co-operation in some comprehensive scheme for horticultural education. It was announced by Chairman Bartsch of the 25th Anniversary Dinner Committee that this event would come off on November 11 and that Messrs. Phil. Breitmeyer of Detroit, J. Otto Thilow of Philadelphia and A. Farenwald would be among the prominent guests present on that occasion. The resignation of President Pegler on account of ill health was accepted with regrets.

C. H. Totty's exhibit of chrysanthemums was quite extensive, comprising 27 large vases of singles and doubles of the various classes. Among his new ones were Ramapo, a big Jap. incurved yellow, D. B. Crane yellow Jap., seedling No. 1, a large Jap. reflexed, Enchantress pink color, and some of Wells' and Nonins early flowering novelties. The pink seedling received a report of merit. Mr. Totty also showed his new pink forcing rose Mrs. George Shawyer in fine form. It certainly looks like a winner. W. N. Craig exhibited four seedling cattleyas, one of which—a lovely intermediate sized, fragrant flower with broad brilliant dark lip—C. Hardyana × C. Bowringiana—received a report of merit. Mr. Craig said the seed was sown June 20, 1906. Prof. E. A. White of the Mass. Agricultural College, staged fifteen named varieties of large Jap. chrysanthemums and W. W. Edgar Co. a fine vase of Yellow Touset.

NEW YORK FLORISTS' CLUB.

The New York Florists' Club enjoyed an exceptionally interesting and instructive lecture on Monday evening, October 14, by H. A. Bunyard, on the International Horticultural Exhibition at London. He showed a large number of beautiful slides, which he described in entertaining fashion and everybody was greatly pleased with it all. W. A. Manda also spoke briefly on the same subject.

Quite a number of committee reports were presented and accepted. These included resolutions on the death of Wm. R. Smith, read by Patrick O'Mara, on the death of Mrs. A. S. Burns, by P. J. Smith, progressive

report of the entertainment committee by C. B. Weathered, and of the Smith Memorial Committee by John Donaldson, for the transportation committee by F. H. Traendly, for the committee on steamship flower rules by J. B. Nugent, and for the publicity committee by I. S. Hendrickson. Mr. Hendrickson said that the committee had prepared a poster for Halloween flowers, to be distributed to 2,000 flower stores within a 50 mile radius of New York, which they confidently expected would increase the flower sales for that occasion many fold. Six new members were elected and five more names were proposed.

The exhibition was a very creditable one. Bergenfield Nurseries showed a lot of splendid new peony-flowered dahlias, also some of the Stredwick novelties. W. A. Manda staged twelve seedling dahlias that were grand and a wonderful sky-blue ipomea, flower very large and showy. Scott Bros. showed their scarlet carnation Wm. Eccles and Traendly & Schenck their Salmon Beauty. C. H. Totty was represented by his new rose Mrs. George Shawyer and a splendid collection of chrysanthemums cut and in pots. John Lewis Childs showed a large collection of fine dahlias, named, and R. Vincent, Jr., & Sons' Co. sent thirty varieties of dahlias, all good ones. Mr. Totty got 89 points for his rose and honorable mention and highly commended on his chrysanthemums. W. A. Manda got honorable mention and highly commended, J. Lewis Childs honorable mention, Traendly & Schenck highly commended, R. Vincent & Sons Co., honorable mention, and Bergenfield Nurseries honorable mention. A. T. Boddington showed an attractive vase of white cosmos.

The next meeting will be Chrysanthemum Night.

ST. LOUIS FLORIST CLUB.

A very pleasant gathering took place on last week, Thursday afternoon, at Odd Fellows Hall. President Fred H. Weber not being present Vice-President Chas. C. Young was the presiding officer. Several committees reported and were continued. The committee on "Florists' Bulletin," which has been discontinued since the first of August stated that their final report would be made at the November meeting. A communication from the New Florists' Club Publicity Committee was read, and after a long discussion it was decided that the President should appoint a local publicity committee, they to elect one of their number as a delegate to attend the meeting of the National body. J. F. Ammann of Edwardsville, who was called upon for remarks, highly commended the movement.

Names of four members were recommended for state vice-president of eastern Missouri for the S. A. F. These will be voted upon at the next meeting and the name selected sent to President-elect J. K. M. L. Farquhar for appointment. The treasurer's report showed a fine balance in the Club Exchequer.

AMERICAN SWEET PEA SOCIETY.

On a call from President Sim, an executive meeting of our society was held in Horticultural Hall, Boston, Friday, October 11th. The following members were present: William Sim, W. Atlee Burpee, J. K. M. L. Farquhar, Wm. Currie, Thos. Roland, Wm. J. Stewart, Peter M. Miller, W. T. Hutchins, Robert Cameron, Jas. Wheeler, Harry A. Bunyard.

Mr. Farquhar formally extended the invitation to the society to hold its annual exhibition in 1913 under the auspices of the Massachusetts Horticultural Society. Same was received with a hearty vote of thanks.

The express idea of calling a meeting was for the purpose of completing matters relative to the summer flower show at Boston, 1912. The schedule of this society for the International Flower Show to be held in New York in April was submitted and accepted. Same will be published in about ten days.

The matter of the society's medals was also gone into and Thomas Roland, chairman of the medal committee was instructed to proceed to have the die made and such medals struck off as were won at the last exhibition in Boston.

President Sim served luncheon to the visiting members at the Copley Square Hotel for which he received an appreciative vote of thanks.

HARRY A. BUNYARD,
Secretary.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Plant Registration.

As no objections have been filed, public notice is hereby given that the registration of the new rose "Milady" by A. N. Pierson, Inc., Cromwell, Conn., becomes complete.

JOHN YOUNG,
Secretary.

October 5, 1912.

CLUB AND SOCIETY NOTES.

The St. Louis Retail Florists' Association will meet on Monday night Oct. 21, at the Washington Hotel.

Engelmann Botanical Club held a very interesting meeting on Oct. 14th, at the Missouri Botanical Garden, St. Louis. Mr. C. H. Thompson of the Garden presented an illustrated talk on "Botanizing in the semi-arid Regions of Southwest United States and Mexico." Dr. G. T. Moore, director of the Garden presided over the meeting.

At a meeting of the Newport Horticultural Society, Oct. 8, sergeant-at-arms William F. Smith was presented with a handsome gold watch from the members in recognition of his valuable services to the society. Mr. Smith has been sergeant-at-arms for the society nearly every year since it was organized, twenty-two years ago, and has long been admitted to be the best worker in the society for its interests.

The monthly meeting of The Westchester and Fairfield Horticultural So-



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ciety was held in Greenwich, Conn., with a large attendance. Two applications for membership were received and four new members elected. There was a splendid display of flowers on exhibition. P. W. Popp won the first prize for collection of dahlias, Harry Wilde winning second. James Stuart was awarded a certificate of culture for Hybrid Neriums. A vote of thanks was given to H. Wilde for apples, A. Peterson for grapes, R. Barton for dahlias. Hybrid Cattleya, exhibited by the Geo. E. Baldwin Co. was highly commended. Tickets for our fall show can be secured from W. J. Sealey, Port Chester, N. Y.; schedule and entry blanks from Oscar E. Addor, Larchmont, N. Y. The next meeting of the Society will be held on November 15th, the week following the fall show.

At the meeting of the Connecticut Horticultural Society on the 11th inst. President Huss showed the Harbinger dahlia, Clerodendron fallax, and a seedling dahlia, small flowering, of dwarf habit, the quilled centre florets clear yellow and the petals blush pink, shaded white toward the tips. At the instance of John Gerard the society voted that the new variety shall be known as the John F. Huss dahlia. The judges awarded a first-class certificate. The secretary read, by request, a newspaper account of a recent visit by S. B. Hendee, Milwaukee, Oregon, to the establishment of the noted Oregon aster grower, Harvey T. Fleischauer, at McMinnville, in that state. His unsurpassed asters are thought to be due much to the favorable climate, as well as the very productive clay soil, both of which are also highly conducive to the production of fine roses. The Connecticut society now numbers 206 members, the largest number in its history.

GEORGE W. SMITH,
Secretary.

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DURING RECESS.

Cook County Florists' Association.

Seventy florists and their friends enjoyed the dinner given by the Cook County Florists' Association, October 10, at The Tavern. It was known as Ladies' Night. The program after dinner was as follows: Miss Edith Scott, piano; Miss Camelia Kristen, songs. The Masters Miller, violin and piano; Mrs. H. J. Lister, piano. Mr. Loomis gave a talk on advertising, making very good points, and Mr. Ward closed the entertainment by a group of songs

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Enchantress and White Perfection,
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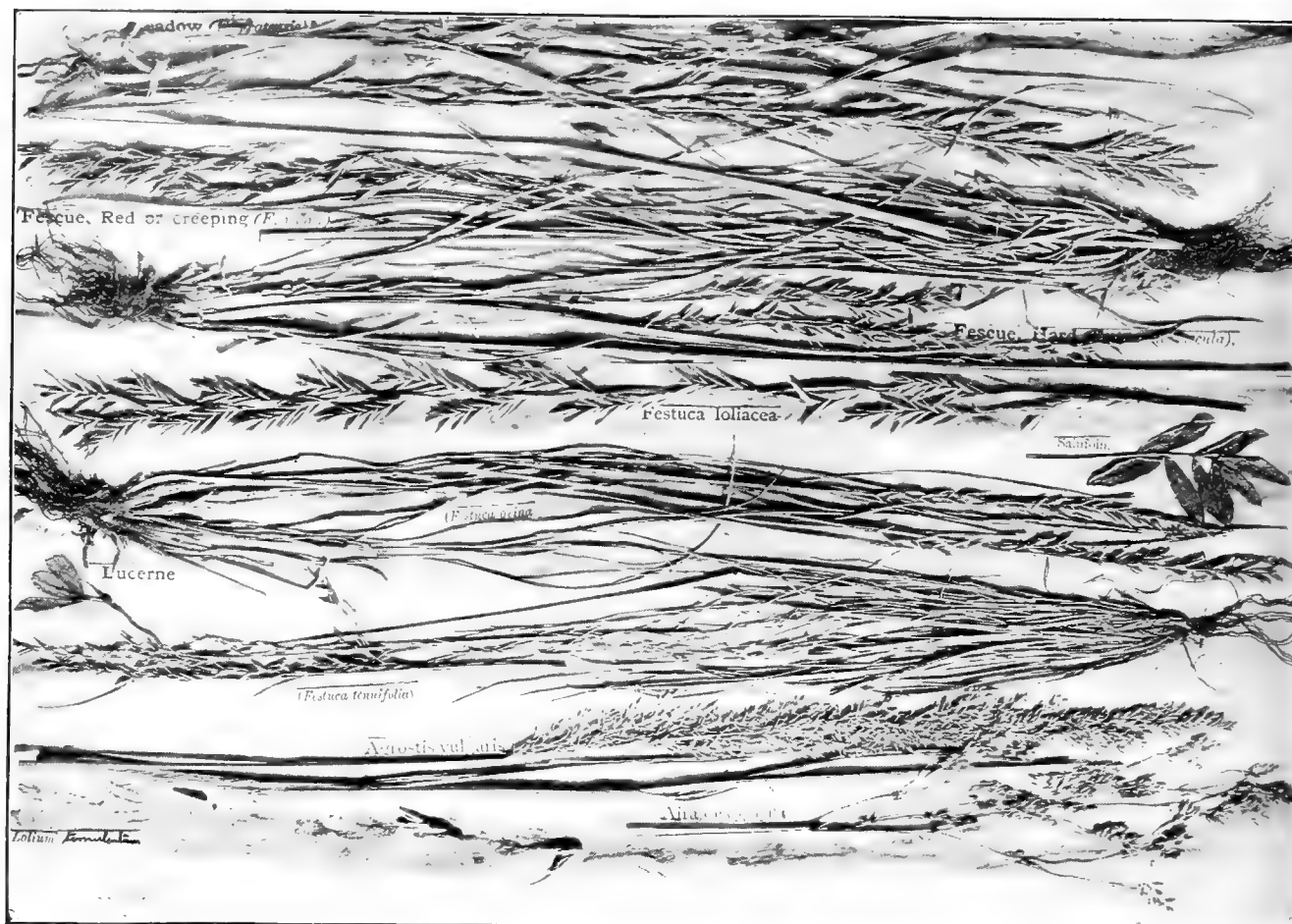
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Cyclamen, 2½ in., \$7.00 C.; 3 in., \$8.00 C.;
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Every one in cuttings and small plants.

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"You can no more conduct business without advertising than you can farming without fertilizing."—Uncle Peleg.

SOME VALUABLE GRASSES.



For the above picture, and the one which appeared in our issue of the 12th inst., we are indebted to George C. Watson of Philadelphia, who has been through all departments of the seed trade and, after an experience of some thirty-seven years in Europe and America, is now devoting himself especially to the natural grasses as general agent for the United States and

Canada for Messrs. Barenbrug, Burgers & Co., of Arnhem. The value of the pictures to our readers lies in the clear view they give, in compact space, of the great difference in the various species and varieties of the grasses used in the seedsmen's formulas for lawns and permanent pastures. They also emphasize the point not often recognized by the laymen, that the real seedsman—the trained scientific seedsman, we mean, not the mere dealer in

seeds, such as an implement dealer, an ironmonger, a druggist or a country merchant—does a vast amount of work sifting and searching for the good, all his life; and that the nations of the earth owe far more to the seedsman than to national or state agencies, for the advancement of agriculture and horticulture, during the past four hundred years. Most of the grasses illustrated are not grown in America but are imported from abroad.

The Exhibitions

NASSAU COUNTY HORTICULTURAL SOCIETY.

The Annual Dahlia Exhibition of this society was held Oct. 9th at Glen Cove and was a great success every way. Not only were dahlias shown but many other seasonable flowers and vegetables. A large table was taken up with school children's exhibits, in which visitors took a great interest.

In the class for the Droer cup, best 50 var. dahlias, Mrs. E. M. Townsend, gard. James Duthie, was 1st; H. W. Bucknell, gard. G. Barton, 2nd. Other successful exhibitors in the dahlia classes were J. Kirby, H. Boettcher and J. O'Brien. The Townsend cup for roses was won by Miss E. Ladew, gard. J. Adler, J. S. Pratt, and J. W. Everett, 2nd. The Burn's cup for vegetables was keenly contested, there being eight entries. Mrs. H. L. Pratt, gard. H. Gaut, 1st; A. G. Hedenpyle, gard. E. Patrocia, 2nd. Hedenpyle's prize for vegetables: Mrs. H. L. Pratt, 1st; J. H. Attley, 2nd. In the fruit classes the winners were J. T. Pratt, W. V. Hester, James Holloway and Mrs. H. L. Pratt. The special awards were J. Kirby, for seedling dahlia, cert. of merit; J. Holloway, dahlias, hon. mention; Mrs. C. D. Smithers, dahlias, cult. cert.; A. G. Hedenpyle, single dahlias, cult. cert.

In the evening the regular monthly meeting was held. The programme for the chrysanthemum show was gone over and every one looks for the most successful exhibition this society ever held.

The Chrysanthemum Show of the Elberon Horticultural Society which was to have been held in Asbury Park on October 29, 30 and 31, has been cancelled for this year.

At the Autumn Show in London on September 24th, the highest award was given to Alex. Dickson & Sons, Ltd., for a display which contained superb examples of their own introductions—Mabel Drew, Duchess of Westminster, Lady Grenall, George Dickson, Berna Mackay, Rayon D'Or, Betty, Harry Kirk, etc. The council also voted awards of merit for their new roses, George Dickson, Mrs. MacKellar, and Edward Bohane.

The monthly exhibition of the New Jersey Floricultural Society brought

out a fine exhibit of seasonable flowers. Especially fine were roses shown by John Dervan for which he received certificate of merit and cultural certificate. Lager & Hurrell exhibited the rare *Cattleya Octavia*. The exhibit of dahlias was especially fine, too.

The society voted to give a silver cup to the National Flower Show committee to be used for any class they see fit. Discussions were brought up in regard to having the dahlia show next year on a larger scale than heretofore and having vegetable and fruit exhibits, also other seasonable flowers. It was decided to have a chrysanthemum show Nov. 8th, afternoon and evening. Joseph Manda, Mrs. A. Neil and Frank Drews have donated prizes for some of the classes. In the monthly competition for points the following awards were made:

Emil Panuska: *Cattleya labiata*, 75 points; *Clorodendron fallax*, 65. Fritz Berglund: roses, 72; carnations, 65. William Reid: roses, 75; carnations, 68. Max Schneider: dahlias, 80. Frank Drews: dahlias, 75. Max Schneider: violets, 65; carnations, 60. William Tricker: chrysanthemums, cert. of merit.

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Double Pink Killarney, Radlance, Mrs.
Taft, Mrs. Wardell, My Maryland,
Harry Kirk, \$10.00 per 100.

Pink Killarney, White Killarney,
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Perle, Sunrise, Sunset, American
Beauty, \$8.00 per 100.

Bride, Bridesmaid, Bon Silene, La
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Grafted, 3-inch pots.

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Seed Trade

Later Pea Crop Reports.

Since our last issue some very unfavorable news affecting the pea crop has reached us indicating that the preliminary estimates submitted by the growers are likely to be materially reduced when actual deliveries are made. We learn that in Montana where a considerable acreage of peas was grown this year, they are experiencing most unfavorable weather during threshing operations. It is reported that both rain and snow are of daily occurrence and large quantities of peas are already ruined, and that the end is not yet. Should this information prove to be correct—and the source from whence it comes compels us to accept it as essentially true—there will probably be no surplus of any of the important varieties of peas this year. In this connection it may be well to say that we learn that Canada field peas are so nearly a failure that it is next to impossible to buy them in quantity. Owing to excessive moisture the vines remained green until so late that a large percentage of them have been killed by frost while the peas are still immature. It will doubtless appear rather strange to the trade that common field peas should be so very scarce whereas the fancy large-podded varieties promise—or we might better say, promised to be in very fair supply. Such seems to be the case, however, and is one of the results of the freakish weather we have been having the past season.

We do not get any particular news about beans, at least nothing of an encouraging character and assume that conditions are about the same as last reported, and the same may be said of most other families of seeds.

The Cumbersome Bourne Bill.

Much adverse criticism of the Bourne Bill continues to come, not only from seedsmen and merchants whose interests are affected, but even from postmasters, many of whom declare that the bill is so complex that it is impossible of enforcement or at least that it cannot be carried out on its present lines, excepting by a large increase of the clerical force at all important centers, as each and every piece of fourth-class matter would have to be handled and weighed to determine if it carried the proper postage. The main objection seems to be against the ridiculous zone or zones provision. The postmaster in one of the eastern cities pointing out the absurdities of this feature mentioned the fact that one zone terminated in the center of a street in a nearby city, thus making two rates of postage necessary not only for the city but for this particular street. While we perhaps are not authority in such matters this zone matter certainly looks and always d'd look to us like a cumbersome and ill-considered piece of legislation. It may possibly work out more smoothly than now seems probable, but we doubt it. It is unfortunate that important businesses are so often adversely affected by legislation drafted and carried through by men entirely ignorant of the matters about which they are legislating, but until the average business man and citizen considers it his personal duty to see that the men elected to make our laws are of a higher or-

der than many we now have, and feel that they are largely responsible for them, we shall find no deliverance from the present evils.

The Government Seed Distribution.

(From U. S. Department of Agriculture, Bureau of Plant Industry—Circular M. 100.)

The number of packets provided in the last distribution, which began December 2, 1911, and ended April 19, 1912, was 51,138,240 packets of vegetable seed and 12,226,315 packets of flower seed, or a total of 63,364,555 packets. The kinds and quantities of seed included in this distribution are shown in the following table:

Vegetable Seed.

Kind.	Number of Varieties.	Quantity Pounds.	Kind.	Number of Varieties.	Quantity Pounds.
Bean (pole)	9	25,070	Musk Melon	7	22,890
Beet	8	25,699	Okra	3	9,094
Brussels Sprouts	3	3,740	Onion	4	20,512
Carrot	5	19,450	Parsnip	2	5,305
Callards	1	7,495	Pea	9	174,600
Corn	6	325,472	Radish	12	132,336
Cucumber	3	11,259	Squash	3	7,500
Endive	3	8,383	Tomato	8	14,215
Kale	1	4,008	Turnip	6	25,945
Kohl Rabi	2	1,832	Water Melon	20	19,155
Lettuce	8	73,043			

Flower Seeds.

Kind.	Quantity Pounds.	Kind.	Quantity Pounds.
Ageratum	5	Morning Glory, dwarf	447
Antirrhinum	354	Morning Glory, tall	3,425
Aster	108	Nasturtium, tall	11,572
Balsam	378	Pansy	124
Calendula	1,780	Petunia	153
Candytuft	2,052	Poppy, double	1,407
Castor Bean	100	Poppy, single	1,172
Celosia	8	Portulaca	349
Cosmos	1,181	Sweet Pea	17,000
Dianthus	807	Zinnia	1,608
Eschscholtzia	580		
Kochia	1,427		
Mignonette	1,793		

The total weight of the vegetable and flower seeds alone was 994,116 pounds, or over 497 tons, enough to fill twenty freight cars.

Notes.

Evansville, Ind.—A warehouse building, 48 x 125, is being constructed by the Ohio Valley Seed Co.

Petersburg, Va.—The Covington-Harrison Seed Co. has been incorporated here with a capital stock of \$1500 to \$5000. President, Peter W. Covington; vice-president, George W. Harrison; secretary and treasurer, Thomas Covington, Jr.

Boston, Mass.—As Thomas J. Grey, formerly of T. J. Grey Co., was cutting his lawn some weeks ago a blister on his hand broke and in some way became infected. The hand and arm began to swell, finally necessitating two operations. He is well on the road to recovery now and will not lose the use of his hand.

NEWS NOTES.

Plaistow, N. H.—Carl Lloyd will grow vegetables in his greenhouses this winter instead of flowers.

Madison, Wis.—The new horticulture building of the university has just been completed at a cost of over \$60,000. The structure is a large three-story building of paving brick and stone trimmings, is 50 feet wide and 125 feet long. The building includes a lecture room with capacity for 250 persons and a smaller lecture room with seats for 100 people; and about fifteen classrooms.

CATALOGUES RECEIVED

J. G. Harrison & Sons, Berlin, Md.—Trade List of Fruit and Shade Trees and Conifers. A very neat, attractive list.

George Wittbold, Chicago.—Wholesale list of Ornamental Nursery stock and Florists' Decorative Greenhouse Stock.

Juan Balme, Jr., Queretaro City, Mexico.—Descriptive list of collected Mexican orchids and cacti. Trade prices quoted only.

Arnold Furst, Jette St. Pierre, Brussels, Belgium.—General Catalogue of Fruit and Ornamental Trees, Conifers, Border Plants, etc.

F. C. Heinemann, Erfurt, Germany.—Special Trade Offers of Novelties 1913. An interesting set of seed novelties, of which attractive plates are given in colors.

W. J. Worrell, Leamington, England.—Special Wholesale Offer of Peas, Beans and Other Vegetable Seeds. H. Youell, Syracuse, N. Y., is agent for America.

F. & F. Nurseries, Springfield, N. J.—Trade List of Ornamental Nursery Stock. This establishment, now thirty years in existence, is a department of the American Nursery Co.

Fottler, Fiske, Rawson Co., Boston, Mass.—"1912 Bulbs". A comprehensive list of all the good things for fall planting, not alone bulbs but hardy perennials, small fruits, etc. Cover neat in pearl gray and gold lettering.

Stumpp & Walter Co., New York.—Bulbs for Autumn Planting. The 1912 edition of an always attractive and useful general fall bulb and seed catalogues. Cover design very neat and suggestive of the good things within.

Wm. H. Moon Co., Morrisville, Pa.—"Some Autumn Leaves That Tell of Fall Specialties." Every page is adorned with bright tinted autumn leaves scattered along the border. A good list of material for ornamental planting.

Harlan P. Kelsey, Salem, Mass.—Catalogue of Native American Plants grown in the Carolina Mountains. Native rhododendrons, kalmias, azaleas and shrubbery of a similar character are listed in all varieties and quantities.

E. S. Miller, Wading River, N. Y.—Trade Price List for 1912 of Bulbs and Hardy Plants for Fall Planting. An excellent selection of hardy lilies, iris, etc., is listed in this useful pamphlet. The quality of Mr. Miller's product is well known.

K. Velthuys, Hillegom, Holland.—Wholesale Trade List of Dutch Bulbs and Plants 1912-13. Finely illustrated and a very attractively gotten up trade catalogue. Henry Youell, Syracuse, N. Y., is American agent for this old-established house.

Wm. Elliott & Sons, New York.—Flowering Bulbs, Fall 1912.—Sixty-seventh edition of this well known publication and as usual, a catalogue that will command attention from the amateur gardener. Darwin tulips are nicely shown on the covers.

Our Introduction for 1913

The New Clear Scarlet Bedding Geranium

"HELEN MICHELL"

ITS MERITS:

1. The **Finest Scarlet** Geranium ever introduced.
2. The **only** scarlet variety, which blooms all summer.
3. The **largest** truss and single bloom of any.
4. Is semi-double, compact and medium dwarf.
5. Has **most** blooms to a single plant.
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7. Stands all kinds of weather.
8. Blooms early and continuous.

ALL IN ALL

THE BEST MONEY-MAKER FOR THE FLORIST.

Orders booked now are filled in rotation as received from January 1913 onward.

2 1/4 inch pots, \$2.50 doz.; \$15.00 per 100; \$125.00 per 1000

\$50.00 IN GOLD WE OFFER as a prize for the best 4-in. pot of "Helen Michell" to be competed for at the National Flower Show, at New York, April, 1913.

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518 Market Street, Phila., Pa.



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BULBS

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Price List for the Asking

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Fall Bulbs Selling Fast

Still have stock of all late and a few early varieties.

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FREESIA REFRACTA ALBA.

Extra Large, \$0.75 per hundred. \$6.75 per thousand.
Mammoth Bulbs, \$1.00 per hundred. \$9.00 per thousand.

LILIU HARRISII,

6-7 inches, \$0.75 per dozen. \$3.50 per hundred.
For Florists and Dealers Only.

Mention this Ad.

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TOMATO SEED

BEST STOCKS. ALL VARIETIES.

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POINSETTIAS 2 1-2 in. strong, \$5 per 100; \$45 per 1000
CYCLAMEN SEED the celebrated English strain, \$9 per 1000
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Stocks, Asters, Chinese Primulas, &c.

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Double Narcissus Von Sion

Extra Selected 5 1/2-6 1/2 circum.
\$13.00 per thousand

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"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

Of Interest to Retail Florists

Blair, Neb.—Will Rodgers recently bought the florist business of John W. Reid.

New York, N. Y.—Butler, Florist, Inc., is a new incorporation with a capital stock of \$15,000. Incorporators, Anthony Gross, W. Clement Jenkins and Percy M. Brown.

Mineola, N. Y.—Henry Weston, florist, recovered a verdict of \$1,000 from the local gas company for stock in his greenhouses which were killed by gas escaping from a main.

STEAMER DEPARTURES

Numidian, Boston-Glasgow..Oct. 25	Atlantic Transport.
St. Louis, N. Y.-S'hampton..Oct. 26	Cunard.
Minnehaha New York-London..Oct. 26	Mauretania, N. Y.-Liverpool..Oct. 23
Hamburg-American.	Franconia, Boston-Liverpool..Oct. 29
Pres. Grant, N. Y.-Hamburg..Oct. 26	Holland-America.
Rotterdam, N. Y.-Rotterdam..Oct. 22	Potsdam, N. Y.-Rotterdam..Oct. 29
Canadian, Boston-Liverpool..Oct. 26	North German Lloyd.
K. Wilhelm II, N. Y.-Br'm'n..Oct. 22	Fried. der Gr., N. Y.-Br'm'n..Oct. 26
Pr. Irene, N. Y.-M'ditter'n..Oct. 26	K. Wil. d. Gr., N. Y.-Br'm'n..Oct. 29
Geo. Wash., N. Y.-Bremen..Oct. 31	Red Star.
Vaderland, N. Y.-Antwerp..Oct. 26	White Star.
Arabic, Boston-Liverpool...Oct. 22.	Baltic, New York-Liverpool..Oct. 24
Majestic, N. Y.-S'hampton...Oct. 26	Cedric, New York-Liverpool..Oct. 31

Kearney, Neb.—The Kearney Floral Co., Second avenue, has been purchased by the Davidson Floral Co., and H. S. Thompson. They will continue it under the same name.

NEW FLOWER STORES.

Jamestown, N. D.—Hoskins Floral Co.

Dallas, Texas—Lone Star Floral Co., 1607 Elm street.

Newark, N. Y.—Henry A. Strobell, 931 Broad street.

St. Paul, Minn.—Charles Bennett, West Sixth street.

Montreal, P. Q., Canada—Maurice Wolff, 462 St. Catherine street, west.

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571 FIFTH AVENUE
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Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Deliver orders from any part of the country to

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Of Interest to Retail Florists

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Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 76 Maiden Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Ed. MacMulkin, 194 Boylston St.
Boston—Penn, the Florist, 37-43 Bromfield St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Philip L. Carbone, 342 Boylston St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Detroit, Mich.—Florists' Telegraph Deliveries, 153 Bates St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Washington Sq.

New York—George M. Stumpp, 761 Fifth Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

Providence, R. I.—T. J. Johnston & Co., 171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main St., West.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.

San Francisco, Cal.—The California Florist, 344-346 Geary St.

San Francisco, Cal.—Pelicano, Rossi & Co., 123 Kearny St.

Schenectady, N. Y.—J. C. Hatcher.

St. Paul—Holm & Olsen, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Tailby.

Worcester, Mass.—H. F. A. Lange.

PERSONAL.

Herbert Zur Muehlin, formerly manager of the Bradley Flower Shop, Fort Wayne, Ind., is now a partner in the L. E. Auger Co. of the same city.

William Langdon, formerly grower for the late John E. Haines, South Bethlehem, Pa., is now employed by Max H. Rothe, Mt. Airy, Philadelphia, Pa.

Boston visitors: H. A. Barnard, representing Stuart Low & Co., Enfield, England; D. Cameron, representing Sander & Son, St. Albans, England; E. Jenkins, Lenox, Mass.; Wm. E. Tricker, representing C. H. Totty, Madison, N. J.; J. J. Karins, representing H. A. Dreer, Philadelphia, Pa.; E. J. Fancourt, of S. S. Pennock-Meehan Co., Philadelphia, Pa.; W. Atlee Burpee and Mrs. Burpee, Philadelphia; H. A. Bunyard, New York City; Wm. Currie, Milwaukee, Wis.; F. L. Meyer, Department Agriculture, Washington, D. C. Mr. Wood, of Wood & Stubbs Co., Louisville, Ky.; W. C. Langbridge, Cambridge, N. Y.; Wm. Anderson, Lancaster, Mass.; D. Carmichael of McCullough's, Cincinnati, O.

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INCORPORATED.

Salt Lake City, Utah—Home Nursery Co., capital stock \$5,000. President, F. P. Spitler; vice-president, G. D. Watson; secretary and treasurer, M. O. Randolph.

Poughkeepsie, N. Y.—Mitchell Co., greenhouse construction, capital stock \$100,000. Directors, Charles Mitchell, Maurice W. Deyo, Guilford Dudley, John B. Grubb, Harry C. Barker.

Fort Payne, Ala.—Wills Valley Nursery Co., capital stock \$100,000. Incorporators, Nathan W. Hale, A. I. Smith, Oscar P. Casee, W. W. Howard, and E. E. Rutherford.

NEWS NOTES.

Center Point, Iowa—An addition to their storage cellar and packing house is being built by the Linn County Nursery.

New London, Conn.—The new greenhouses of Edw. A. Smith were opened to the public on Monday evening, October 14th.

Riverside, Cal.—Under new management the Riverside Nurseries are doing business under the name of the Rubidoux Nursery.



Less Ice With Better Results

The McCray System of Refrigeration, which insures a perfect circulation of cool, dry air, will not only reduce your ice bills, but will keep your stock in the best condition—fresh, fragrant and attractive.

McCray Refrigerators

Are made so as to display your flowers to the best advantage. They can be lined with white enamel, opal glass, tile, mirrors or marble to suit your convenience. Write for our beautiful Free Catalog No. 72, which shows refrigerators for florists, both stock and built-to-order, in all sizes and styles.

McCray Refrigerator Co.

553 LAKE STREET

KENDALLVILLE, IND.

CHICAGO NOTES.

Trade Notes.

C. F. McCormick is the latest addition to the staff at A. L. Randall's.

A report that August Jurgens has sold his greenhouses is not confirmed as yet and Mr. Jurgens is still in Michigan planting peonies.

A. Henderson Co. is receiving a carload of *Lilium giganteum* this week. Mr. Henderson finds the fall business very good but it is hard to get enough stock.

Clifford Pruner has severed his connection with the E. H. Hunt Co. The cut flower department will hereafter be discontinued and orders filled by Ernie & Klinge.

Poehlmann Bros. Co. have just received a carload of palms and another of azaleas from Belgium. A new packing shed is now being constructed for the plant section.

The trustees of the Cook County Florists' Association have found several places more or less suitable for permanent clubrooms and action will be taken at the next meeting.

There has not been a killing frost in this vicinity. Many plants and flowers are apparently dying of old age but canna beds and salvia are as bright at present writing as at any time this summer.

Miss Virginia Benson, formerly of Duluth, Minn., has taken an interest in Young Flower Shop, 10 N. Western Ave., and is in charge of the store. An auto delivery car will soon be a part of their equipment.

I. Cassidy and P. M. Bryant are out on trips for The Foley Manufacturing Co. Mr. Foley has just returned from a personal tour of inspection of the new plants they have recently erected. Among them are a couple of iron-frame show houses for the Idlewild Greenhouses, Memphis, Tenn.; a show house for Bertermann Bros., Indianapolis, Ind.; two iron-frame houses for Mount Mora Cemetery Co., St. Joseph, Mo. Private places for N. G. Moore, Oak Park, and J. Simpson, Glencoe, Ill., have just been completed.

Samuel J. Pearse, Clybourne Ave., has sold his greenhouse plant, including residence and store, to a company which will use the land for shops for manufacturing machinery. August Dussel, whose death occurred recently at Crown Point, Ind., bought the place when it was considered quite far out

but the growth of the city has made it too far down town for greenhouse purposes and Mr. Pearse sold out at a price highly satisfactory. No definite plans for the future are made yet and Mr. Pearse retains possession till October 1st, 1913, unless he chooses to give it up earlier.

Personal.

Ernest Farley and Wm. Wolf are both back at their respective places after an absence caused by illness.

John Sinner comes into the store occasionally but spends most of his time at the greenhouses. His brother, Peter Sinner, is still at the hospital where he was taken July 4th suffering from blood poison, the result of a cut from glass.

Announcement was made Sept. 26 at the home, 3628 Maple Square Ave., of the engagement of Minnie Wattman, for nine years bookkeeper for the Am-ling Co., and Gustave B. Hammer, superintendent architect for Marshall & Fox.

George Mount and his son of Canterbury, England, were in Chicago spending two days with C. L. Washburn. They were later the guests of the Poehlmann Bros. The Messrs. Mount left here for a visit to E. G. Hill at Richmond, Ind.

Visitors: J. A. Peterson, Cincinnati, O.; J. N. Mann, Richmond, Ind.; H. E. Philpott, Winnipeg, Man.

PHILADELPHIA NOTES.

Ye olden-time bouquet holders of silk, lace and paper seem to be in vogue now. The House of Rice reports large orders for these antique holders; their use is general all over the country.

An interesting display of the new rose Mme. Chas. Russell was seen at the Pennock-Meehan Co.'s this week. These came from Boston and were greatly admired by the connoisseurs. It looks like a "comer." We understand it is to be put on the market next spring. Our California friend Mark Ebel of Sacramento, on being asked a couple of weeks ago what was the most interesting thing he had seen on his visit to Boston replied promptly "the Mme. Charles Russell Rose." A straw—but it shows how the wind blows.

Visitors: J. B. Hobbs, rep. Mann & Brown, Richmond, Va.; E. P. Hostetter, Lancaster, Pa.; W. F. Fancourt,

Farm School, Pa.; Henry Penn, Boston, Mass.; Stephen Mortensen, Southampton, Pa.

WASHINGTON NOTES.

John Watson, who has been in the employ of F. H. Kramer for the past nine years, has been made foreman of the latter's houses in Anacostia, D. C.

A very pleasing and artistic decoration by Mayberry & Hoover, of the Woodward & Lothrop department store, called for large quantities of chrysanthemums, palms, ferns and fall leaves.

Florists played a prominent part in the reception to the delegates from the International Congress of Chambers of Commerce held in the building of the Pan-American Union. This also marked the opening of the magnificent terrace gardens recently constructed in the rear of the building at a cost of more than \$100,000.

J. L. Loose, of the Washington Florists' Company and D. J. Grillbortzer were among the many witnesses in the Alexandria (Va.) annexation proceedings by which that city is trying to gain additional territory. The properties of both of these gentlemen are within the limits of the disputed ground and both are strongly opposed to the annexation as it would do them no good and would result in an increased taxation.

Robert Pyle delivered a very interesting lecture before the Florists' Club of Washington and invited guests in the Business High School hall on "Rose Growing in Europe." Numerous lantern slides illustrated his remarks and included a fine picture of the late William R. Smith, at which time Mr. Pyle paid a glowing tribute to his memory. He also recommended that efforts be made to have in this city, stretching from the Capitol to the White House, through the Mall, a rose garden fashioned along the lines of similar gardens existing abroad which, in itself, would be a most beautiful memorial to Mr. Smith. Over 500 persons attended.

Greenville, Ohio—One section of the greenhouses of James Frost, 748 Sweitzer street, together with a barn, shed, stock and tools was destroyed by fire recently. Loss partly covered by insurance.

HALLOWE'EN

The festival of Hallowmass (or Hallowe'en as the Scots call it) is peculiarly adapted at the present day for the florist—not only for its ancient religious rites but for the innocent fun, frolic and sentiment of youth, which is bound to find a way for letting off its superabundant life and energy—it is peculiarly adapted to the art of the florist and is the florists' opportunity. Why not take advantage of this?

Why not have a good display in your window of

Our Parisian Colored Baskets

These blend splendidly with the red and gold of the autumn flowers and with the varicolored ribbons in all the shades of chrome and yellow and crimson.

Oak Foliage

is another thing—especially when you can get our prepared sprays at reasonable price and every branch perfect in coloring and texture.

Then there are our

Gnome Figures

in red, gold and grey, just the thing to add the finishing touch to a display!

Send us an idea of your wants and let us select for you from our enormous stocks of everything in the line and get the benefit of our judgment of what will be the best for your trade.

H. BAYERSDORFER & CO.

THE FLORISTS' SUPPLY
HOUSE OF AMERICA

1129 ARCH STREET - - - PHILADELPHIA, PA.

PRACTICAL POINTERS FROM POEHLMANN'S.

There are plenty of interesting things at Poehlmann Bros.' big plant now, at the opening of the season. Record books are being brought out and the beginning of things carefully noted, for here every bench and every plant on every bench has to prove its right to be there by a balance on the profit side at the close of the season.

Foreman Guy French knows just when every one of the 300,000 carnation plants went into the houses and how many blooms each house produces each month. All of their carnation plants were placed in the field as this method, they say, gives a greater total of cut blooms than is produced by plants that are summered in the houses. They are housed early in August or late July. These same records show the number of first and of second-grade carnation blooms and a recent cutting of 20,000 carnations showed but 100 splits. One of the recent English visitors sent rooted cuttings last spring. They were three weeks on the way and the wood was badly shriveled, but they are now thrifty little carnation plants and give promise of doing well.

Chrysanthemum season began here in August and one-half mile will be traversed to take a look at these houses. Two houses of October Frost and Golden Glow are all cut and so good is the demand that blooms are not opening fast enough. The first regular cutting began August 28th and the last will be about December 1st. Among other varieties they grow Comolita, and Chrysolora, both yellow and

both Smith introductions. These two yellows follow Golden Glow in the order named, the latter being more double and of the style of Appleton, and at Springfield it was taken for that variety. The new yellow Crocus is now opening its first buds. Mr. French says the greatest demand is for yellow and white varieties in about equal proportion, and the least demand is for the bronze. Poehlmann Bros. are testing a large number of new varieties this year in order to select best commercial sorts. Chadwick is still a favorite and a fine white sport of Chadwick is being grown here quite extensively. Virginia Poehlmann, the big white variety that originated here is just coming into bloom. Bonaffon is still popular. The demand for pompon varieties has increased so fast that it is predicted here that in a few years they will outsell the large flowering sorts.

The orchid houses are making a very good fall record. Among the cut this week were several spikes of Cattleya labiata, which had six flowers. Dendrobium formosum giganteum comes into bloom next and from the small 25 x 50 foot section they expect to cut 8,000 blooms. Poehlmann Bros. have the largest collection of white orchids in this section of the country.

Cleveland, Ohio—Following the donation to the city of a collection of plants, trees, etc., by W. E. Telling, it is announced that the gift includes the Telling Greenhouses. These will be removed to Gordon Park. These houses with another building at the park and one to be erected will enable the city to produce its own bedding plants, etc.

ST. LOUIS NOTES.

The F. A. Ryan Floral Co., at 14 East St. Louis avenue, closed its doors last week and the creditors sold the place to John Bernard who has opened it up and will run it under his own name.

Ashleigh P. Boles has been elected secretary of the Missouri State Horticultural Board. Mr. Boles was a former student of the University of Missouri and is well up in anything pertaining to horticulture and the selection is a splendid one.

Sympathy was extended to Geo. S. Walters the Wire Worker in the loss of his 16-year-old son, who died on Friday, Oct. 11th. The young man was well known among the trade, being employed in his father's wire shop. The funeral took place Monday, Oct. 14.

CINCINNATI NOTES.

Jos. Sonnenberg has opened a retail flower store in Hyde Park.

Mr. and Mrs. Julius are back home after a two weeks' stay at Martinsville, Ind.

C. E. Critchell is in receipt of a postal from D. Rusconi who, with his family, is in Italy.

E. G. Gillett departed for Cleveland Tuesday to attend the State Conclave of Masons at that place.

Visitors: N. J. Rupp, of John C. Moninger Co., Chicago; Jos. Marks, of A. A. Arnold, Chicago; Mr. Geller, of the Geller Florist Supply Co., New York; Julius Dillhoff, of Schloss Bros., New York, and J. Neidinger, of Philadelphia.

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\$1.00 to \$4.00 per dozen
Specials \$30.00 per 100

Our Beauties are in splendid condition, large flowers of good color. An ample supply of all sizes.

Cattleyas and Gardenias

A steady supply every day all through the season.

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Inscriptions, Emblems, etc. Always in Stock.

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PHILADELPHIA, PA.

PETER REINBERG

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Everything in Flowers

Complete Stock of Florists' Greens,
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Greenhouses, Morton Grove, Ill.

CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	CINCINNATI October 15	DETROIT October 15	BUFFALO October 8	PITT-BURGH October 1
Am. Beauty, Fancy and Special...	15.00 to 25.00	20.00 to 25.00	15.00 to 20.00	20.00 to 25.00
Extra.....	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00	15.00 to 18.00
" " No. 1.....	6.00 to 10.00	10.00 to 15.00	6.00 to 10.00	8.00 to 12.00
" " Lower Grades.....	3.00 to 6.00	4.00 to 10.00	2.00 to 4.00	3.00 to 6.00
Killarney, Richmond, Maryland...	2.00 to 6.00	6.00 to 8.00	2.00 to 6.00	4.00 to 8.00
Bride, 'Maid.....	2.00 to 6.00	3.00 to 6.00	2.00 to 6.00	3.00 to 4.00
Hillingdon, Ward, Melody.....	..... to 8.00	6.00 to 8.00	3.00 to 6.00	4.00 to 8.00
Taft, Sunburst.....	2.00 to 6.00	3.00 to 6.00	2.00 to 6.00	3.00 to 6.00
CARNATIONS.....	1.50 to 2.00	1.50 to 2.50	1.00 to 2.50	1.50 to 3.00
MISCELLANEOUS				
Cattleyas.....	..... to 50.00	..... to 50.00	50.00 to 60.00	40.00 to 50.00
Lilies, Longiflorum.....	10.00 to 12.50	12.50 to 15.00	8.00 to 10.00	8.00 to 12.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Violets.....	..... to .25	..... to .50	..... to .60	..... to .75
Chrysanthemums, Fancy.....	20.00 to 25.00	15.00 to 20.00	12.00 to 20.00	..... to
Ordinary.....	8.00 to 15.00	10.00 to 15.00	8.00 to 10.00	..... to
Daisies.....	..... to .....	..... to .....	..... to .....	..... to .50
Sweet Peas.....	..... to .25	..... to .....	..... to .....	..... to
Gardenias.....	..... to .....	..... to 35.00	20.00 to 25.00	..... to
Adiantum.....	..... to 1.00	1.00 to 1.50	1.00 to 1.25	1.00 to 1.25
Smilax.....	10.00 to 12.50	..... to 12.00	..... to 15.00	10.00 to 15.00
Asparagus Plumous, Strings (100)	35.00 to 40.00	25.00 to 40.00	40.00 to 50.00	40.00 to 50.00
" " & Spreng. (100 bchs.)	25.00 to 35.00	15.00 to 35.00	25.00 to 35.00	25.00 to 50.00

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OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

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GARDENIAS

In October 1911 Gardenias were in short supply; this year we are glad to say our growers are cutting freely of the best quality flowers and will have a splendid crop right through the season.

SPECIAL, \$2.50 per doz; \$15.00 per 100
FANCY, 2.00 per doz; 10.00 per 100

CATTLEYAS: \$6.00 per doz.; \$40.00 per 100.

VALLEY: Special, \$4.00 per 100; Extra, \$3.00 per 100.

CHRYSANTHEMUMS: \$1.50 to \$3.00 per dozen.

HEADQUARTERS FOR GREENS

WILD SMILAX, 5.00 per case.
Green Galax, \$1.50 per 1,000; 7.50 per 10,000.
Bronze Galax, \$1.50 per 1,000; 7.00 per 10,000.
Leucothoe Sprays (green), \$1.00 per 100; \$7.50 per 1,000.
Green Sheet Moss, \$3.50 per bag.
Sphagnum Moss, 10-bbl. bales, nicely burlapped, each \$4.00; 5 bale lots, \$3.75 each; 10 bale lots, \$3.50 each; 25 bale lots, \$3.25 each.
Dagger Ferns, \$1.50 per 1,000.

RIBBONS AND SUPPLIES: Many new patterns in exclusive Ribbons. Write us for prices on these and on Supplies.



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117 West 28th Street

WASHINGTON
1212 New York Avenue

Flower Market Reports

BOSTON This market is pretty well loaded down with surplus flowers, despite the fact that there is a good shipping output daily. Chrysanthemums, although far below standard quality, are exercising a depressing influence on the market which, otherwise, was disposed to hold firm on most of the standard flowers. Roses are decidedly in the discard and are accumulating in wholesalers' hands, the yellow selling particularly slow and the white faring best. American Beauty moves fairly well and such fancy goods as lily of the valley, gardenias and cattleyas have a normal sale. Lilies are fairly abundant and carnations are in rather oversupply on account of the abundance of carnations, with a tendency to lower prices. In chrysanthemums, Touset, Glory of Pacific and Golden Glow are the most plentiful this week.

BUFFALO The fall trade seems to be quite satisfactory all around. Everybody appears to be busy and every hope is had that this will be the best fall trade in years, as every indication shows to that effect. Weather conditions have been good and stock of all kinds is plentiful enough that no order goes out partly filled. There has been a good selection of everything in season. Carnations were on the short supply a few days ago, but are now coming in better quantity and quality. Chrysanthemums have so far moved fairly well and now some good Hallidays are had and which have sold well. Lilies have shortened in supply, also Beauties, though there are enough to fill all orders. Asters and gladioli have been good for so late in season.

CHICAGO The flower market is seriously crippled from lack of stock, which

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	BOSTON October 17	CHICAGO October 15	ST. LOUIS October 15	PHILA. October 15
Am. Beauty, Fancy and Special....	15.00 to 20.00	25.00 to 35.00	15.00 to 25.00	25.00 to 30.00
" " Extra.....	10.00 to 15.00	20.00 to 25.00	..... to 10.00	12.50 to 15.00
" " No. 1.....	6.00 to 8.00	15.00 to 20.00	..... to 8.00	8.00 to 10.00
" " Lower Grades.....	2.00 to 4.00	10.00 to 15.00	3.00 to 4.00	4.00 to 6.00
Killarney, Richmond, Maryland....	.50 to 6.00	5.00 to 10.00	2.00 to 6.00	2.00 to 8.00
Bride, 'Maid.....	.50 to 4.00	5.00 to 8.00	2.00 to 4.00	2.00 to 6.00
Hillingdon, Ward, Melody.....	.50 to 6.00	5.00 to 10.00	3.00 to 6.00	3.00 to 8.00
Taft, Sunburst.....	2.00 to 8.00	5.00 to 10.00	4.00 to 8.00	3.00 to 12.00
CARNATIONS.....	1.00 to 1.50	1.00 to 3.00	1.00 to 2.00	.75 to 3.00
MISCELLANEOUS				
Cattleyas.....	20.00 to 35.00	30.00 to 40.00	50.00 to 60.00	25.00 to 30.00
Lilies, Longiflorum.....	4.00 to 8.00	..... to 12.00	12.00 to 15.00	8.00 to 12.50
Lily of the Valley.....	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Violets.....	.40 to .50	50 to .75	.25 to .35	.25 to .50
Chrysanthemums, Fancy.....	12.00 to 25.00	25.00 to 35.00	15.00 to 25.00	12.50 to 25.00
" Ordinary.....	6.00 to 8.00	15.00 to 25.00	8.00 to 10.00	6.00 to 10.00
Daisies.....	..... to	1.00 to 1.25	.50 to .75	.50 to 1.00
Sweet Peas.....	..... to .....	..... to .75	..... to .....	..... to .50
Gardenias.....	12.00 to 15.00	25.00 to 35.00	..... to	4.00 to 12.00
Adiantum.....	..... to 1.00	..... to 1.00	..... to 1.25	.75 to 1.50
Smilax.....	10.00 to 12.00	15.00 to 18.00	15.00 to 15.00	20.00 to 20.00
Asparagus Plumosus, Strings (100).....	..... to 50.00	40.00 to 60.00	35.00 to 50.00	35.00 to 50.00
" " & Spren. (100 Bchs.).....	25.00 to 50.00	35.00 to 50.00	15.00 to 25.00	25.00 to 50.00

condition seems to be getting worse rather than better. Quite possibly the cut of the past week was no smaller than on the previous one, but the demand naturally increases as the season advances and there is not enough stock to meet it. The only flowers reported as sufficient for the demand are orchids, violets and lily of the valley, and the sales on these have been slow. Eastern violets have not arrived in very good condition which has not increased their popularity and the same was reported of some of the home-grown singles. Some of the counters are covered with light gladioli but sales are slow and stock not attractive. American Beauties are meeting a good demand and price has advanced for all grades. Chrysanthemums are being cut faster than is for the good of that flower but the demand is decidedly greater than the supply at this writing. Carnations are still short in stem but they, too, are not sufficient for the demand. All kinds of roses share the general shortage but a few bright days will help out the supply. There is suf-

ficient green but no surplus. A beautiful gladiolus is coming from Michigan, apparently a very late variety, just in its prime. It is red with dark edge and markings a little too suggestive of a frost, perhaps, for a late flower. John Kidwell, president of the Flower Growers' Association, remarks that one year ago this week the market conditions were just opposite to those prevailing now. Stock was so plentiful that ice boxes and counters were filled to overflowing.

The local market took a very unexpected turn for the worse last week. The opening days as reported in the last issue of this paper were bad enough. The succeeding days were worse. Saturday conditions were greatly improved. It proved, however, to be only for the day for the opening days of this week followed the example of those of last week. Shipping business was very good. Roses are in a very strong supply in every variety in the market. The pink, taking into

(Continued on Pa.)

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	Last Half of Week ending Oct. 12 1912		First Half of Week beginning Oct. 14 1912	
American Beauty, Fancy and Special	10.00	to 20.00	10.00	to 20.00
" " Extra	6.00	to 10.00	6.00	to 8.00
" " No. 1	3.00	to 5.00	3.00	to 5.00
" " Lower Grades .....	.50	to 3.00	.50	to 1.50
Killarney, Richmond, Maryland .....	.50	to 4.00	.50	to 4.00
Bride, Maid .....	.50	to 4.00	.50	to 4.00
Hillingdon, Ward, Melody75	to 6.00	.50	to 6.00
Tatt, Sunburst75	to 8.00	.50	to 6.00
CARNATIONS	1.00	to 2.00	.50	to 1.50

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Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

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To Close for Cleaning Pool, 20% for Cash With Order.

Water hyacinths, the oddest, most beautiful and valuable plants; extra strong, in the finest condition; \$5.00-100. \$35.00-1000; second grade, \$3.00-100, \$18.00-1000. Blooming water hyacinths make leaders at 25c. retail. Cash, please. Texas Nursery & Floral Co., Box 178 Alvin, Tex.

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Godfrey Aschmann, Philadelphia, Pa.
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ASPARAGUS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.
For page see List of Advertisers.

Wm. Ehmann, Corfu, N. Y.
For page see List of Advertisers.

Asparagus plumosus, 2½-in., \$2.00 per 100. A. Sprenger, 2½-in., all strong stock, \$1.90 per 100 if ordered at once. Cash. John Bauscher, Jr., Freeport, Ill.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Loechner & Co., New York, N. Y.
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F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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McHutchison & Co., 17 Murray St., N. Y.
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Bobblink & Atkins, Rutherford, N. J.
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August Roelker & Sons, 31 Barclay St., New York.
For page see List of Advertisers.

Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.
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R. Vincent, Jr., & Sons Co., White Marsh, Md.
For page see List of Advertisers.

BEGONIAS

J. A. Peterson & Sons, Cincinnati, O.
Glory of Cincinnati.
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BERBERIS THUNBERGII

100,000 Berberis Thunbergii, from 6 in. to 2½ ft., and new seed of same; also Clematis paniculata, 1, 2 and 3-yr. old, and new seed. Get my prices. Benj. Connell, Florist, Merchantville, N. J.

BOXWOOD TREES

Bobblink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees, all sizes. Ask for special list.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.

Lord & Burnham Co., 1133 Broadway, N. Y.

BOXES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BULBS AND TUBERS

J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

Ralph M. Ward & Co., 71 Murray St., New York.
Horseshoe Brand Lilies and French Bulbs.
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James Vick's Sons, Rochester, N. Y.
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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fliske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
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P. H. Goodsell, New York, N. Y.
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F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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O. V. Zangen, Hoboken, N. J.
Dutch and French.
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Weeber & Don, New York, N. Y.
Double Narcissus Von Slon.
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Bulbs of all descriptions. Write for prices. C. Keur & Sons, Hillegom, Holland.
New York Branch, 31-33 Broadway.

CALLAS

Wm. Ehmann, Corfu, N. Y.
For page see List of Advertisers.

CAPE JASMINE

Cape Jasmine, fine cuttings, 8 inch and over, ready for rooting; 100 \$1.00, 1000 \$8.00, prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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F. Dorner & Sons Co., Lafayette, Ind.
For page see List of Advertisers.

B. G. Merritt & Co., Grange, Md.
Field-Grown Carnations.
For page see List of Advertisers.

This stock has been kept pinched back all summer, no buds now in sight. A No. 1 stock.

Enchantress	.....	\$6.00, 100;	\$50.00, 1000
Rose-pink	.....	6.00, 100;	50.00, 1000
White Enchantress	.....	6.00, 100;	50.00, 1000
Red Lawson	.....	6.00, 100;	50.00, 1000
T. W. Lawson	.....	6.00, 100;	50.00, 1000

THE DANLEY GREENHOUSES,
MACOMB, ILLINOIS.

CARNATIONS—Continued

Chas. H. Totty, Madison, N. J.
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Carnations, 700 Fair Maid, \$5.00 per 100. Wm. Capstick, Auburndale, Mass.

CHRYSANTHEMUMS

R. J. Irwin, New York, N. Y.
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Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.

Stock Plants, Smith's Advance 'Mums', 75c. per doz., \$5.00 per 100. Peirce Brothers, Waltham, Mass.

CHRYSANTHEMUM, THE. By A. Herrington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 100 pages. Price 50 cents.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

R. J. Irwin, New York, N. Y.
For page see List of Advertisers.

Cyclamens, 3-inch pots, \$10.00 per 100; \$80.00 per 1000. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DAISIES

Wm. Ehmann, Corfu, N. Y.
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DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Woodrow & Marketos, 41 West 28th St., New York.
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DELPHINIUMS

Delphinium Formosum, extra strong, 1 year old, \$4.50 per 100. Write for samples and wholesale list. Geo. F. Kimbel, Flourtown, Pa.

DOUBLE CLAW HAMMER

Double Claw Hammer Co., Brooklyn, N. Y.
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FERTILINE

Elmer D. Smith & Co., Adrian, Mich.
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FERTILIZERS

- Elmer D. Smith & Co., Adrian, Mich.
Fertiline.
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- 20th Century Plant Food Co., Beverly, Mass.
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- Wm. Elliott & Sons, 42 Vesey St., N. Y.
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- Stumpp & Walter Co., New York, N. Y.
Clay's Fertilizer.
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- Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

FERNS

- A. Leathy & Co., Roslindale, Mass.
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- Godfrey Aschmann, Philadelphia, Pa.
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- H. H. Barrows & Son, Whitman, Mass.
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- John Scott, Brooklyn, N. Y.
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- Robert Craig Co., Philadelphia, Pa.
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- Frank Oechslein, 4911 Quincy St., Chicago.
Ferns for Dishes.
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- R. J. Irwin, New York, N. Y.
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- F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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- Adiantum cuneatum clumps, will divide
to make 4 to 6 plants, \$12.00 per 100.
Wm. Capstick, Auburndale, Mass.

Fern runners, fine stock Boston, Whitman, Amerpohl, Springfield, \$1.80 per 100, \$15.00 per 1000. Roosevelt runners, very fine, \$6.00 per 100, \$50.00 per 1000. Roosevelt, 4-inch, \$15.00 per 100, 5-inch, \$25.00 per 100, Asparagus Plumosus, 4-inch, handsome stock, \$8.00 per 100, 50,000 sq. ft. of glass at Cleveland, O., devoted exclusively to ferns. I have the best stock to be had anywhere. Prices are low, for cash only. Schneider, Florist, Springfield, O.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
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FLORISTS' SUPPLIES

- N. F. McCarthy & Co., 112 Arch St.,
Boston.
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- H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
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- M. Rice & Co., 1220 Race St., Phila., Pa.
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- Reed & Keller, 122 W. 25th St., New York.
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- S. S. Pennock-Meehan Co., Philadelphia,
Pa.
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- H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.
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- Welch Bros. Co., 226 Devonshire St.
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FLOWER POTS.

- W. H. Ernest, 28th and M Sts.,
Washington, D. C.
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- A. H. Hews & Co., Cambridge, Mass.
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- Hilfinger Bros., Ft. Edward, N. Y.
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- Syracuse Pottery Co., Syracuse, N. Y.
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FORGET-ME-NOTS

Forget-me-nots from greenhouse grown
seed, sure for Christmas; strong 2¼-in.
plants, extra early, continuous bloomer,
\$2.50 per 100; \$20.00 per 1000. Cash.
B. B. Pohlmann, 645 Chapin, Rockford, Ill.

FREESIAs

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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FUNGINE

Aphine Mfg. Co., Madison, N. J.
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GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
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Kervan Co., New York.

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Millington Fern Co., Millington, Mass.
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GERANIUMS

R. Vincent, Jr., & Sons Co., White Marsh,
Maryland
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NEW GERANIUM "HELEN MICHELL."
The best clear scarlet Bedding Geranium
ever offered. See Adv., page 384. 2¼ in.
plants (ready from January, 1913), \$2.50
per doz.; 100, \$15.00; \$125.00 per 1000.

Orders Booked Now.

MICHELL'S SEED HOUSE,
Philadelphia, Pa.

GLADIOLUS

John Lewis Childs, Flowerfield, N. Y.
For page see List of Advertisers.

Klondyke, primrose yellow with crimson
blotch, extra large, \$3.00 per 100; 1½ in.,
\$2.50; 1 in., \$2.00; ¾ in., \$1.50; ½ in., \$1.25;
bulblets, 75c. per 1000. Clark W. Brown,
Ashland, Mass.

GLASS

Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.
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Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.
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Parshelsky Bros., inc., 215-217 Havermeier
St., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GREENHOUSE BUILDING MATERIAL

- A. T. Stearns Lumber Co., Neponset,
Boston.
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- King Construction Co., N. Tonawanda, N. Y.
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- Metropolitan Material Co., Brooklyn, N. Y.
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Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
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Frank Van Assche, Jersey City, N. J.
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S. Jacobs & Sons, Brooklyn, N. Y.
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V. E. Reich, Brooklyn, N. Y.
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Lord & Burnham Co.,
1133 Broadway, New York.

GREENHOUSE CONSTRUCTION

- Foley Mfg. Co., Chicago.
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- King Construction Co., N. Tonawanda, N. Y.
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- A. T. Stearns Lumber Co., Boston, Mass.
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- Charles H. Dodd, Jersey City, N. J.
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- Wm. H. Lutton, Jersey City, N. J.
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- Metropolitan Material Co., Brooklyn, N. Y.
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- Frank Van Assche, Jersey City, N. J.
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- Lord & Burnham Co.,
1133 Broadway, New York.
- Pierson U-Bar Co., Madison Ave., New York.
Designer and Builder.
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- Hitchings & Co., 1170 Broadway, N. Y.

GUTTERS

- King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.
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- Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.
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HAIL INSURANCE

Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND GREEN GOODS

- Michigan Cut Flower Exchange,
38 and 40 Broadway, Detroit, Mich.
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- The Kervan Co., New York.
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- Millington Fern Co., Millington, Mass.
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HEATING APPARATUS

- Kroeschell Bros. Co., 466 Erie St., Chicago.
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- Chas. H. Dodd, Jersey City, N. J.
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- Lord & Burnham Co.,
1133 Broadway, New York.

HERBACEOUS PERENNIALS

- Bay State Nurseries, No. Abington, Mass.
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- E. S. Miller, Wading River, N. Y.
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- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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- Boblink & Atkins, Rutherford, N. J.
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HOLLYHOCKS

Hollyhocks, large transplanted, double
white, yellow, pink, red, maroon, single
mixed, \$4.50 per 100. Write for wholesale
list of other perennials; it will pay you.
Geo. F. Kimbel, Flourtown, Pa.

HOSE

H. A. Dreer, Philadelphia, Pa.

HOT-BED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.
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- Foley Mfg. Co., Chicago.
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- Parshelsky Bros., Brooklyn, N. Y.
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- V. E. Reich, Brooklyn, N. Y.
Double Glass.
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- Lord & Burnham Co., 1133 Broadway, N. Y.

HYDRANGEAS

HYDRANGEA OTAKSA.
EXTRA FINE PLANTS, POT GROWN.
6-in., 4 to 6 shoots.....\$25.00 per 100
STRONG, FIELD-GROWN PLANTS.
4 to 6 shoots.....\$15.00 per 100
2 to 4 shoots.....12.00 per 100
Can be shipped by freight. Satisfaction
assured.
R. J. Irwin, 3097 Broadway, New York, N. Y.

In writing to Advertisers kindly mention Horticulture

INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
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Lemon Oil Co., Baltimore, Md.
Standard Insecticide.
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Interstate Tobacco Co., New York, N. Y.
"Tip Top" Tobacco Powder.
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Benjamin Hammond, Fishkill-on-Hudson,
N. Y.
Slug Shot.
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Kentucky Tobacco Product Co.,
Louisville, Ky.
Nico-Fume.
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IRIS

Henry A. Dreer, Inc., Philadelphia, Pa.

GERMAN IRIS.
FLORENTINE (slate white), CELESTE
(lavender), FAIRY (white), SPECIOSA
(purple), DALMATICA (pale blue).

SIBERIAN IRIS.
WHITE BLUE (type), BLUE ORIEN-
TALIS, WHITE ORIENTALIS (Snow
Queen), Dozens, hundreds, thousands.
Write wants.
O. H. DICKINSON, SPRINGFIELD, MASS.

JAPANESE LILIES

Loechner & Co., New York, N. Y.
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LEMON OIL

Lemon Oil Co., Baltimore, Md.
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LILY BULBS

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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Jas. Vick's Sons, Rochester, N. Y.
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LILY OF THE VALLEY PIPS

Loechner & Co., New York, N. Y.
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F. R. Pierson Co., Tarrytown-on-Hudson,
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August Roelker & Sons, 31 Barclay St., N. Y.
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McHutchison & Co., 17 Murray St., N. Y.
Berlin Valley Pips.
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LILIUM GIGANTEUM

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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MASTICA

F. O. Pierce Co., New York, N. Y.
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Joseph Breck & Sons, Boston, Mass.
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NICO-FUME

Kentucky Tobacco Product Co.,
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P. Ouwerkerk, Weehawken Heights, N. J.
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W. & T. Smith Co., Geneva, N. Y.
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Bay State Nurseries North Abington, Mass.
Hardy, Northern Grown Stock.
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Bobbink & Atkins, Rutherford, N. J.
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W. B. Whittier & Co., South Framingham,
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P. Hamilton Goodsell, New York, N. Y.
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August Roelker & Sons, 31 Barclay St., N. Y.
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Stuart Low & Co., Enfield, England.
British-Grown Roses, Fruit Trees, Vines,
Orchids, Etc.

Fursts' Nurseries, Brussels, Belgium.
Send for Catalogue.
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John Waterer & Sons, Ltd., Bagshot, Eng.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$3.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID FLOWERS

Jas. McManua, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Hybrid Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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ORCHID GROWERS' MANUAL.

By B. S. Williams, 300 illustrations, 800
pages; descriptions of upwards of 2500
species and varieties of orchidaceous
plants, etc. The most complete work on
Orchids and Orchid Culture ever pub-
lished. Price \$10.00.

Orders filled by HORTICULTURE, 11
Hamilton Place, Boston.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Robert Craig Co., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Joseph Heacock, Wyncote, Pa.
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Loechner & Co., New York, N. Y.
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August Rolker & Son, 31 Barclay St., N. Y.
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PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

J. H. Sprague, Barnegat, N. J.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

Henry A. Dreer, Inc., Philadelphia, Pa.
Peonies. The world's greatest collection,
1200 sorts. Send for list. C. Betscher,
Canal Dover, O.

PHLOX

Henry A. Dreer, Inc., Philadelphia, Pa.

PHOENIX ROEBELINII

F. R. Pierson Co., Tarrytown-on-Hudson,
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PLANT AND BULB IMPORTS

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McHutchison & Co., 17 Murray St., N. Y.
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PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

Plant Trellises and Stakes. P. A. Angler
& Co., Westboro, Mass.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.

"Riverton Special."
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PIPE AND FITTINGS

Foley Mfg. Co., Chicago.

Kroeschell Bros. Co., 466 Erie St., Chicago.

POINSETTIAS

A. Henderson & Co., Chicago, Ill.
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S. S. Skidelsky, Philadelphia, Pa.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIMULAS

Malachoides, strong 3½ in., ready for
5 in., \$7.00 per 100. Israel Quint, 125 Wal-
nut Ave., Roxbury, Mass.

PRIVET

Franklin Davis Nursery Co., Baltimore, Md.
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RAFFIA

McHutchison & Co., 17 Murray St., N. Y.
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REFRIGERATORS FOR FLORISTS

McCray Refrigerator Co., Kendallville, Ind.
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John Waterer & Sons, Ltd., Bagshot, Eng.
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P. Ouwerkerk, Hoboken, N. J.
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Bobbink & Atkins, Rutherford, N. J.
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S. S. Pennock-Meehan Co., Philadelphia, Pa.
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Robert Craig Co., Philadelphia, Pa.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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Oklahoma Seed Growers Co., Enid, Okla.
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Leonard Seed Co., Chicago, Ill.
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Everett B. Clark Seed Co., Milford, Conn.
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Brasilan Seed Growers Co., San Jose, Cal.

SEEDS

Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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R. & J. Farquhar & Co., Boston, Mass.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
Cyclamen and Pansy Seed.
For page see List of Advertisers.

Arthur T. Boddington, New York.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

The Haven Seed Co., Santa Ana, Cal.
Tomato Seed.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Weeber & Don, New York, N. Y.
For page see List of Advertisers.

Lochner & Co., New York, N. Y.
Oats, Barley and Wheat.
For page see List of Advertisers.

T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.

P. Hamilton Goodsell, New York, N. Y.
Grass Seed.
For page see List of Advertisers.

SEED PACKETS.

Brown Bag Filling Machine Co., Fitchburg, Mass.
For page see List of Advertisers.

SHEEP MANURE

Wm. Elliott & Sons, 42 Vesey St., New York, N. Y.
For page see List of Advertisers.

SLUG SHOT

B. Hammond, Fishkill-on-Hudson, N. Y.
For page see List of Advertisers.

SPHAGNUM MOSS

J. H. Sprague, Barneget, N. J.
For page see List of Advertisers.

Sphagnum Moss, large bales. Green Moss in bbls. Laurel Bunches and Broken Laurel. James Day, Milford, N. H.

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

STOVE PLANTS

Orchids—Largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

TIP TOP TOBACCO POWDER

Interstate Tobacco Co., Inc.,
1397-1399 Ave. A, New York, N. Y.
For page see List of Advertisers.

VENTILATING APPARATUS

Foley Mfg. Co., Chicago.

The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
For page see List of Advertisers.

Quaker City Machine Works,
Richmond, Ind.
20th Century Arm.
For page see List of Advertisers.

VINCAS

Vinca Minor, or grave myrtle, a hardy evergreen trailing plant particularly adapted to covering graves. It is a beautiful dark green, thrives as well in dense shade as in the sun. I have thousands of well rooted outdoor grown plants and rooted runners, \$5.00 per 1000. Samples free by mail. C. M. Webb, Fayetteville, Tenn.

VIOLETS

Violets, Prince of Wales, strong, healthy, field plants, \$6.00 per 100; \$55.00 per 1000. Charles Lenker, Freeport, L. I., N. Y.

Violets, Princess of Wales, field grown, \$5.00 per 100. Carnations, 150 White Enchantress, 50 Lawson, \$5.00 per 100. Cash. Chas. H. Green, Spencer, Mass.

PRINCESS OF WALES VIOLETS.

Strong, field-grown plants, \$5.00 per 100.
J. W. TULLOCH,
Danvers, Massachusetts.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWOK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works,
38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
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Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

Peter Reinberg, 37 Randolph St.
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Poehlmann Bros. Co., Morton Grove, Ill.
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J. A. Budlong, 37-39 Randolph St.
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Chicago Flower Growers' Association,
176 N. Michigan Ave.
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Chicago Carnation Co., 30 E. Randolph St.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co.,
316 Walnut St.
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Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
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WHOLESALE FLORISTS—Continued**Montreal**

Montreal Floral Co., Ltd., Montreal, P. Q.
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New York

M. C. Ford, 121 W. 28th St., New York.
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H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.

A. H. Langjahr, 130 W. 28th St., New York.
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James McManus, 55 W. 28th St., New York.
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W. F. Sheridan, 133 W. 28th St., New York.
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Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.
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Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schneck, New York, N. Y.
For page see List of Advertisers.

Frank Millang, 55-57 West 26th St.
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Badgley, Riedel & Meyer, Inc., New York.
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Woodrow & Marketos, 41 West 28th St.
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Henry M. Robinson Co., New York, N. Y.
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J. K. Allen, New York, N. Y.
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A. L. Young & Co., New York, N. Y.
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Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
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The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

Rochester

George B. Hart, 24 Stone St.
For page see List of Advertisers.

New Offers In This Issue**BAY TREES.**

Henry A. Dreer, Inc., Philadelphia, Pa.
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BULB CATALOGUE.

J. M. Thorburn & Co., New York, N. Y.
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CARNATION PLANTS.

Kretschmar Bros., West Nyack, N. Y.
For page see List of Advertisers.

GARDENIAS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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HALLOWE'EN SUPPLIES.

H. Bayersdorfer & Co., Philadelphia, Pa.
For page see List of Advertisers.

HARDY RHODODENDRONS.

John Waterer & Sons, Ltd., Bagshot, Eng.
For page see List of Advertisers.

NEW LILIES.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

FOR "POT LUCK" TRY US... HEWS STANDARD POT'S

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.

Obituary.

Charles Meckelburg.

On October 4, Charles Meckelburg, florist, Fifty-third street and North avenue, Milwaukee, Wis., died of dropsy, aged 70 years.

James Caldwell.

In an automobile accident on September 29, near Venice, O., James Caldwell, florist, of Cincinnati, was killed and the chauffeur received injuries from which he may die. Two others were seriously hurt.

C. C. Arnold.

C. C. Arnold, florist, of North Judson, Ind., died of heart trouble recently, in his 62nd year. He had been in the florist business in North Judson for many years, giving considerable attention to gladioli. His wife, one son and a daughter survive him.

Henry J. Horne.

Henry J. Horne, of the firm of H. J. Horne & Co., nurserymen, Haverhill, Mass., died at his home on Columbia park, that city, on October 10. He suffered a shock last June from which he never fully recovered. He was born in Smithfield, Me., and for 18 years had lived in Haverhill. A son, two brothers and two sisters survive him.

Gus Schoenfield.

It is with profound sorrow that we learn of the death of Gus Schoenfield, for a number of years a large grower of cut flowers and plants for the Buffalo market. The country has lost a sincere lover of our profession and an enthusiast in his chosen field. He was also engaged in grape growing and became one of the leading authorities on grape culture in the vicinity of Westfield, N. Y. Mr. Schoenfield was a member of the board of education at the time of his death, having served several years. Our heartfelt sympathy goes out to his bereaved widow and children in this hour of their sorrow.

E. C. BRUCKER.

PUBLICATIONS RECEIVED

Canadian Seed Growers' Association, Eighth Annual Report—This volume contains the minutes of the Annual Meeting held at Ottawa, Feb. 8, and 9, 1912. The reports of officers and addresses and contributions in full. It comprises 142 pages and a number of illustrations.

The Tennessee State Board of Entomology has issued a Bulletin on the Inspection and Transportation of Nursery Stock in Tennessee, other states and Canada, which will be found very serviceable by anyone engaged in the shipment of nursery stock between states. It is designated Bulletin No. 7, Vol. 1, No. 3, and may be had on application to the State Entomologist and Plant Pathologist, Knoxville, Tenn.

Plant Breeding in Scandinavia, L. H. Newman, Ottawa, Canada, 1912.—In this work the writer aims to set forth the present status of plant breeding in Sweden, Norway and Denmark. The bulk of the book is taken up with the work of the Swedish Seed Association as carried on at its institute at Svalof in Southern Sweden, at which the author spent nine months in study. The aim of this association, which is composed of influential farmers and others interested in agriculture, is "to work for the cultivation and development of improved sorts of cereals and other crops and for the utilization of these sorts in Sweden and in other countries." While the agriculture of Sweden is said to date back to the Stone Age, modern agriculture in that country may be said to have had its birth about the year 1840. From 1840 until about 1870 the growing and selling of cereal grains was the principal industry. Following 1870, the long period of continuous grain raising began to show its effects in decreased fertility of the soil. This coupled with the extensive importations of grain into Europe from America forced upon the Swedish farmers the necessity of changing their system and also to seek varieties better suited to their northern climate, and which would be more productive than those they had been cultivating.

The subjects dealt with include au-

1000 READY PACKED CRATES STANDARD FLOWER POT'S AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1 3/4 in. @	\$6.00	500 4 in. @	\$4.50
1500 2 1/4 " "	4.88	456 4 1/2 " "	5.24
1500 2 1/4 " "	5.25	320 5 " "	4.51
1500 2 1/2 " "	6.00	210 5 1/2 " "	3.78
1000 3 " "	5.00	144 6 " "	3.16
800 3 1/2 " "	5.80	120 7 " "	4.20
		60 8 " "	3.00

HILFINGER BROS., Pottery, Fort Edward, N. Y.

August Rölker & Sons, 31 Barclay St., N. Y. City, Agents

OUR SPECIALTY—Long Distance and export trade

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.

New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts. Washington, D. C.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

SITUATIONS WANTED

WANTED—Position in small, private place. Gardening, hostler, dairy and general work. Sober, industrious. Address "T. J." care HORTICULTURE.

ASSISTANT GARDENER

Wishes position on gentleman's place. Ten years' experience inside and outside in England and America. Best references. "A. B. C." care of HORTICULTURE.

FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

turn and spring wheats, oats, barley, peas, grasses, clovers and potatoes and the experimental work with these subjects covers line-breeding, mass-selection and cross-fertilization. A vast amount of interesting and valuable information is given in this publication and its perusal and study cannot be other than profitable.

We think Mr. Newman might well have added some account of the very valuable work now being carried on in Denmark on root-crops (mangel, sugar beet, garden beet, carrot, rutabaga and turnip), cauliflower, cabbage and forage grasses. Perhaps he will make this Danish work the subject of another volume.

Tobacco Paper "NICO-FUME" LIQUID

IS THE
STRONGEST,
BEST PACKED,
EASIEST APPLIED.

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

**Furnishes the
Most Nicotine for the Money**

MANUFACTURED BY
THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

OVER 40% NICOTINE
By far the
CHEAPEST.

JUST NOTE PRICE!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

LEMON OIL CO.'S STANDARD SOLUBLE IN WATER INSECTICIDE

Guaranteed under the Insecticide Act, 1910. Serial No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, etc. without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

¾ Pint - - -	25c	Pint - - -	40c	Quart - - -	75c
¾ Gallon, \$1.25		Gallon, \$2.00		5 Gallon Can, \$9	
10 Gallon Can - -	\$17.50				

Dilute with water 30 to 50 parts

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct

Lemon Oil Company Dept. K
420 W. Lexington St., Baltimore, Md.
Directions on every package

Imp Soap Spray

Effective one to thirty-two.
Single gallons, \$1.50
Eastern Chemical Company
BOSTON

READ THIS

You will need to buy something this fall—stock, supplies, equipment, etc., for store or greenhouse. Look through the Buyers' Directory and List of Advertisers in this paper and you'll probably find what you want listed there. We are proud of the fact that HORTICULTURE is recognized as the best paper of its class in this country in quality of reading matter and also of the fact that it is coming to be acknowledged as the best advertising medium. The best friends of HORTICULTURE are those who buy from HORTICULTURE'S advertisers whenever possible and, in corresponding with the dealers always take the trifling trouble to refer to the paper. We have many such friends, otherwise our advertising columns would soon be deserted. Don't forget to do your part.

CLAYS FERTILIZER

112 lb. bag, \$5.50 56 lb. bag, \$3.00 28 lb. bag, \$1.75

Stumpp & Walter Co., 50 Barclay St., N. Y.



SLUG-SHOT

USED FROM OCEAN TO OCEAN FOR 29 YEARS.

Sold by Seed Dealers of America.

Saves Currants, Potatoes, Cabbage, Melons, Flowers, Trees and Shrubs from Insects. Put up in popular packages at popular prices. Write for free pamphlet on Bues and Blights, etc., to B. HAMMOND, Fishkill-on-Hudson, New York.

**STERILIZED
Sheep Manure**
For All Purposes
\$1.50 100 lbs., 1 Ton \$26
Wm. Elliott & Sons
42 VESEY ST., NEW YORK
Established 1845.

Green Flies and Black Flies Too are easy to kill with
"TIP-TOP" BRAND
Tobacco Powder
For fumigating or dusting. \$3.00 per bag, 100 lbs. Write for free samples. Money with order.
Interstate Tobacco Co., Inc.
1397-1399 Ave. A, NEW YORK
Money refunded if not satisfied. Beware of imitations. Territory open for live jobbers. Write for prices.

Cocconut Fibre Soil
Is being used more and more in the greenhouse and for covering lawns from September to frost. Keep it in stock, it is a seller.
20th CENTURY PLANT FOOD CO.
27 & 29 OCEAN ST., BEVERLY, MASS.

Aphine

The Insecticide that kills plant Lice of every species

The Recognized Standard Insecticide. Not a cure-all but a specific remedy for all sap sucking insects infesting plant life such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Does not stain the foliage.

75c. per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used one part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN.

Aphine Manufacturing Co., Madison, N. J.
Manufacturers of Agricultural Chemicals
M. C. EBEL, General Manager.

FERTILENE
THE IDEAL PLANT FOOD.
Unequaled for Producing Lustrous
CHRYSANTHEMUM BLOOMS
Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. Sample packets of one-half pound mailed for 30c. Sample packets of one pound mailed for 50c.
ELMER D. SMITH & CO., ADRIAN, MICH

**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Brigham, Utah—V. V. Phillips, one house.

Plymouth, Mass.—Stone estate, house 25 x 100.

Revere, Mass.—Thomas Roland, house 65 x 575.

Atlanta, Ga.—G. W. Leroux, 23 Park street, one house.

Grand Rapids, Wis.—Paul Besa, two houses, each 24 x 100.

Bay City, Mich.—Boehringer Bros., Park avenue, one house.

San Bernardino, Cal.—George J. Fowler, range of houses.

Glens Falls, N. Y.—Samuel S. Hagen, Willow street, house 16 x 50.

Red Deer, Alberta, Canada—Red Deer Nurseries, house 50 x 100.

Somerset, Mass.—Trainor Bros., two vegetable houses, each 42 x 300.

Albany, N. Y.—John T. Travison, 337 South Pearl street, one house.

Saginaw, Mich.—J. B. Goetz Sons, 2165 Mackinaw avenue, additions.

Worcester, Mass.—R. E. Wadsworth & Co., Pleasant street, house 14 x 200.

College Station, Texas—Texas Agricultural Experiment Station, one house.

Norwich, Conn.—A. Bretschneider, Hutchins and Mechanics streets, range of houses.

Chicago, Ill.—Jos. Michal & Bros., 7033 Stony Island avenue, two houses, each 25 x 165.

FOREIGN NOTES.**Monument to Calvet.**

The inauguration of the monument to the eminent French chrysanthemum raiser, the late Ernest Calvet, took place recently in the cemetery at Grenoble.

The memorial is in the form of a large bronze medallion. It represents a bust of the deceased with chrysanthemum blooms on one side. Around the bust is a band bearing the inscription "1852 Ernest Calvet 1910." At the bottom are the words "A Calvet les Chrysanthemistes."

The inauguration ceremony was a semi-private one by request of the family. On behalf of the French Chrysanthemum Society M. Philippe Rivoire formally made the presentation to the family, pointing out the great services deceased had rendered to the world's horticulture. A few words of thanks in reply came from Capt. Donillet, the son-in-law of Calvet.

Munchausen and the Cherry Stones.

We all remember reading in our young days the Cherry Stone story of Baron Munchausen. Something akin to that is just now reported in the English papers. It appears that a remarkable surgical case is reported from Haverford (West). Whilst a young man was being operated upon for appendicitis the presence of an apple pip was revealed which had not only set up inflammation, but had actually begun to germinate. Next one, please!

C. HARMAN PAYNE.

Yes; here it is, and from no less an authority than the Providence Journal. It devotes a half column to a story of the wonderful entomological discovery of a "leading apiarist" of Rhode Island, whereby he has succeeded in crossing the bee with the lightning bug and producing a honey-gatherer that will work all night by aid of the bright illumination from their own bodies. The only drawback he can see is that the brilliantly lighted hives will attract mosquitoes! Next?—Ed.

**Improved
Double Glass SASH**

OUR Complete Line, Large Stock and Long Experience will enable us to serve you exceptionally well. The confidence which the Florists and Gardeners have in our House is the result of

TWENTY-FIVE YEARS OF FAIR DEALING

with them. We are especially anxious to quote you on our Improved Double Glass Sash, Pecky Cypress, Greenhouse Glass, Putty and Hemlock Boards

V. E. REICH,
PATENTEE

1429-1431 Metropolitan Ave.
BROOKLYN, NEW YORK

GLASS

for GREENHOUSE and HOT BED SASHES. Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.
215-217 Havemeyer St., Brooklyn, N. Y.

**Dreer's Peerless
Glazing Points****For Greenhouses**

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
NO 2

PATENTS**Trademarks and
Copyrights**

Send your business direct to Washington.
Saves time and insures better service.
Personal attention guaranteed.
Thirty years active service.

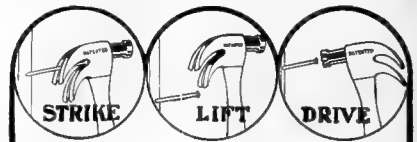
SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

PATENTS GRANTED.

- 1,039,105. Seed-Planter. Peter A. Custer, Woodriver, Ill.
- 1,039,275. Planter. Richard H. Griffith, Bellevue, Ohio.
- 1,039,317. Weed-Killing Compound. Hillery O. Owen, Corpus Christi, Texas.
- 1,039,583. Root-Digger. Malvin B. Parker, Waterville, Me.

**GREAT for HIGH NAILING**

Pulls the nail out straight and easy. This is important in hot houses.

16 or 21 oz. Head.

Cheapest and handiest hammer ever made, when you consider what it will do. Costs three times more to make—but. At your dealer's or from us, delivery prepaid.

RETAIL \$1.00

DOUBLE CLAW HAMMER CO.

453

BROADWAY
BROOKLYN
N. Y.



MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

**WROUGHT IRON PIPE FOR SALE**

Rethreaded, thoroughly overhauled, in random lengths, guaranteed free from splits or holes.

It will pay you to communicate with us.

ALBERT & DAVIDSON

217-23 Union Avenue Brooklyn, N. Y.

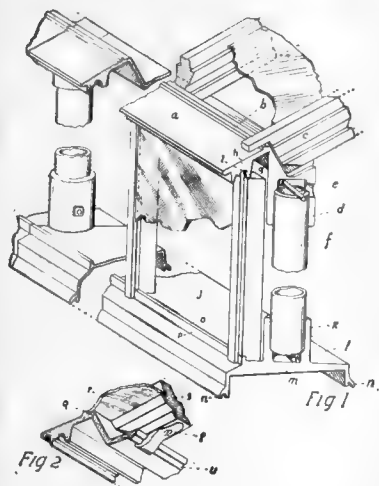
Greenhouse Materials FURNISHED AND ERECTED
IRON or WOOD SASH BARS

In all lengths up to 32 feet.

Milled to any detail furnished or will furnish details and cut materials ready for erection.

Frank Van Assche, Fulton Ave., Rose Ave.
and Dwight Street
JERSEY CITY, N. J.

Metropolitan Patent

Iron Wall Construction

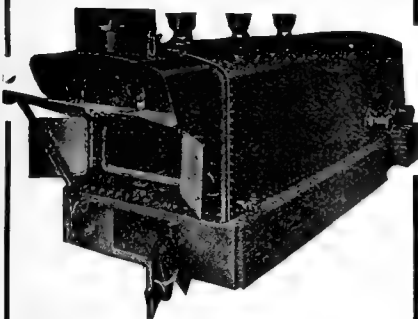
With a little extra cost above wood, anyone can have an Iron Wall Greenhouse, by bolting the different pieces together and securing roof bars, for any size glass, with the clips.

Metropolitan Material Company

1398-1408 Metropolitan Avenue
BROOKLYN, NEW YORK

KROESCHELL BOILER

SEND FOR CATALOGUE



KROESCHELL BROS. CO.
466 W. Erie St., Chicago, Ill.

**SPECIFY**

**Advance Ventilating
Apparatus**

when ordering your building material. Our machines have satisfied the most critical users and will continue to do so.

Remember that we absolutely guarantee our apparatus to give perfect satisfaction.

We want you to have our catalog. Send us your name and address and we will forward one at once.

ADVANCE CO., - Richmond, Ind.

GREENHOUSE MATERIALS**MADE BY FOLEY WILL MAKE AND SAVE YOU MONEY**

SEND FOR CATALOGUE

THE FOLEY M'F'G COMPANY

1133 Broadway Main Office and Factory West End Trust Bldg.
New York, N. Y. 2510 S. Western Ave. Phila., Pa.
CHICAGO - ILL.

KING**GREENHOUSES**

GLASS, HATING, B NCHES AND ERECTING
IS THE SAME FOR THE BEST OR WORST.

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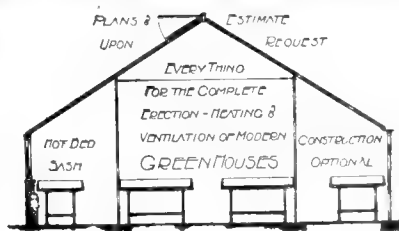
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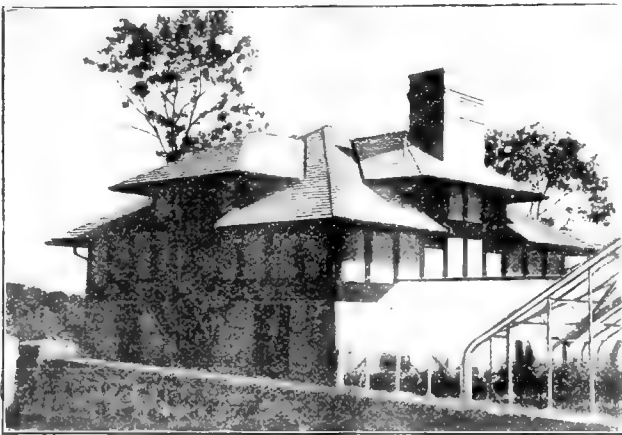
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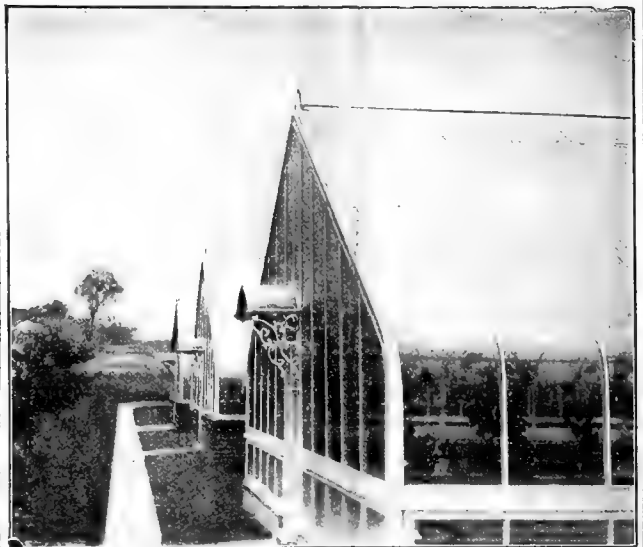
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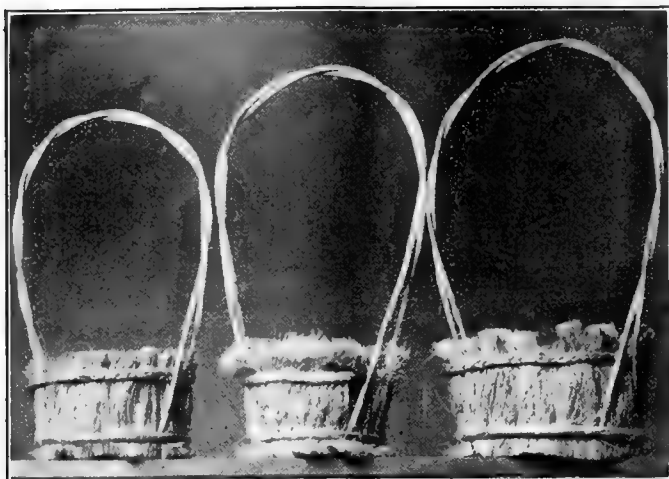
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For Buyers' Directory and Ready Reference Guide

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WHEN a little child begins to think the first indication he gives is by asking "Why." In fact some children have better reasoning powers than their parents, who go through life like a three-wheeled hand-car on a railroad track—they get in a rut. "We do well enough" was a motto of a great city in olden times; people now dig up mementos of that city underneath the sand. Every business firm has the dominating influence of one man, and the success of the business depends upon whether that one man is a progressive and a thinker or just a mere worker. The thinker is the most capable buyer because he reasons "why." When he buys he makes an investment—an investment has revenue for its reason. The other kind speculate and gamble on the revenue—and no gambler ever made money in the long run. There's enough gamble in the growing without taking any chances on the bulbs. Now in order to minimize a possible loss, it is advisable to buy *Horseshoe Brand* bulbs, because they are produced with such care as to withstand much rough treatment. *Horseshoe Brand Giganteums* make the best Cold Storage bulbs in the world, just for that reason. Besides the late arrivals are packed for that purpose. The following are offered in select stock—immediate delivery:

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Acacias

These plants will want the coolest house you may have in order to keep them in good shape for Easter. They do not like very much heat and should only be given enough during the autumn and winter to keep them clear of frost. They thrive when kept in a temperature of about 40 degrees at night, with ten degrees higher during daytime. Be very careful in watering these plants; let them show signs of dryness first, and then give enough water to soak the whole ball through. Frequent and slight waterings are dangerous. Give all the ventilation that the outside condition of the weather will permit without the in-rush of cold frosty air. The species mostly grown is *Acacia armata*.

Begonias

Begonias of the Rex, half-shrubby and fibrous-rooted sections will need some attention now. They should be induced to take a good rest until after the holidays. This can be done by withholding water until they become comparatively dry at the root. Encourage an atmosphere airy and bright but not too dry and harsh. All begonias at any time resent a low temperature. They should never be allowed to go much below 58 degrees at night. Keep them well ventilated without causing any direct draughts, admitting a greater or a less quantity according to the outside conditions. This restful treatment should continue for five or six weeks.

Cannas

When the frost has spoiled the splendor of these plants they should be cut down to within about six inches of the ground and dug up. The more soil you can retain around the roots the better. It is also risky to place these roots under a bench where they will be subjected to too much drip. Beneath a carnation bench where they can be protected against drip, will make an ideal place for them. To prevent the roots from starting into the ground, it would be well to put some boards under them. Do not fail to place a good strong label at the end of each variety; this will save trouble later on. Make it a plan to go over your canna roots often and examine them. They should not be allowed to become either too wet or too dry.

Care of Summer Flowering Cattleyas

All late summer flowering cattleyas that have had a good rest will now need repotting. It is always better to wait until you can see new growths appearing, with renewed root action, before giving them an overhauling.

Mr. Farrell's next notes will be on the following: American Beauty Roses for Easter; Calceolaries; Dahlias; Gardenias; Sweet Peas; Spiraea Japonica.

Quite a few growers use nothing but clear osmunda fiber for cattleyas and they seem to do fine in it, but, of course, every grower has his own special idea as to compost. I think half sphagnum moss and osmunda makes a good mixture. Before you start potting give the plants a thorough cleaning, but avoid as much as possible the breaking of many roots. Give them nice clean pans or baskets half filled with clean broken crocks and small lumps of charcoal intermixed which will help to make the drainage more effective. You must regulate watering so as not to sour the compost. Newly potted orchids will only require just enough water at the roots to prevent the compost from becoming dust dry. When the growths have attained a few inches in length they will begin to make new roots into the compost and then the watering may be gradually increased. Give them an end of the house that is warm and where they can have some shade until they become established when they should have the full sun. Keep the temperature about 60 degrees at night now, and air should be freely admitted whenever possible. Give light fumigation often for thrips.

Peonies for Forcing

A florist is always looking for something to grow and fill in between other crops. Nowadays, all up-to-date growers of cut flowers have to aim to catch the public's eye and fancy by something out of season. So where you have a good plantation of peonies you have good material at hand to use for this purpose. They can be dug up any time within the next two or three weeks. Store them in some convenient place, where they will be accessible when needed. An ideal place would be a deep coldframe. They will not need any protection until hard freezing sets in. You can then give them a little leaves or stable-litter, to keep them from becoming hard frozen.

Wallflowers

Plants that were set out and grown along all summer and were potted within the last three weeks should be placed in the coolest house you have. They could be left outside in a cold frame for sometime yet, but they will do much better if transferred to a very cool house. There is nothing gained in the way of vigor or durability by a too late sojourn in a coldframe. By giving these plants a little attention they can be made a paying proposition. They will not stand a great amount of heat. Let the temperature hang around 40 degrees and they will come along all right. Give plenty of fresh air whenever weather will permit.

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Horticulture

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by this paper is THE SORT OF PUBLI-
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FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Late Vineries

Late vineries will be demanding the most attention in this section at the present time, from a growing point of view, yet the work to be done from now on in the dormant houses is just as important. The majority of late grapes will be finished by this time; perhaps Gros Colman or Barbarossa, otherwise Gros Guillaume, will still put on a little more color, the former especially being a delinquent in acquiring Nature's "paint." Where this is needed give them all the sun possible for another week or two, by tying back any leaves which may shade them. With fruit hanging ripe a reduction in the temperature can be made—50 to 55 being quite hot enough. From now on at no time should the heating pipes be allowed to become hot; sooner let the heat drop a few degrees. Excessive fire heat causes berries to shrivel quicker than anything else. Airing is just as important now as at other times. During mild clear weather the vines cannot have too much air. It is the cloudy, wet or cold weather which brings out the "reserves." When such conditions exist, keep the heating pipes nicely warm, not hot, and never shut a house entirely down unless abnormal weather conditions compel it. A crack of air to the leeward and gentle warmth in the pipes brings that dry and fresh atmosphere best suited for keeping grapes in good condition. Little moisture is needed at the roots, but no border must be allowed to become absolutely dry. Any watering which has to be done from now on must be got through by noon, and always choose a clear day in which to do it. This gives the atmosphere a chance to dry up a little, and a few days longer wait cannot hurt at this time of year. Go over the bunches at least twice a week to remove any damaged or decayed berries.

Mice and rats will now be seeking winter quarters, and how they do appreciate fruit houses with access to some still having fruit hanging! Could these visitors be induced to clean up each bunch as they go on they would be excused a little, but their delight is to taste all; the best bunches are always visited and the shoulders ravaged. It is no use to say how to destroy them—everyone knows how to kill a mouse (when you can). One thing sure—be rid of them right soon, or you will soon be minus a good portion of berries.

Strawberries

Very little time is left now in which strawberries can be asked to grow. Until severe frosts set in they will always swell the crown a little, in which case a little quick-acting feed can always be given. No harm is done by feeding right up to the time they are taken to their winter quarters. Little syringing will be needed now; occasionally the plants must be looked over and watered; always bear in mind the pots are filled out with strong healthy roots. Preparations can be made for plunging as soon as the weather breaks.

Early Vinery

The heating pipes in this house should always have a valve on the flow and return pipes, which allows them

to be emptied out at this season, and with the house wide open it is kept as cool as possible. There is little danger of the pipes freezing up, should the thermometer register a few degrees of frosts for a few hours during the night. The greatest objection to having the pipes full of water with no value on the return is that the warm water will back up the return, and thus cause the house to be a little warmer than it would were they empty. Up to the time of starting, which is probably Dec. 1st, this house ought to be kept as cool as it possibly can, to enable the vines to get all the rest possible. Do all pruning immediately after all the leaves are down.

Christmas Melons

Plants sown September 1st will now be in flower. No difficulty should be experienced in setting them. Keep the house a little drier around the noon time and fertilize all female flowers as they open. It is folly to wait for two or three flowers to open at one time during the winter months. Give the plants all the air possible which will help to strengthen them. Good robust plants soon after setting are those which produce the best fruits. Two fruits to a plant will make a crop from now on until early spring. When these have been set and are seen to be swelling the remaining flowers can be removed and every encouragement given to the fruit. A light top dressing will be beneficial, but do not add a quantity of soil at this season of the year as the smaller quantity will dry out quicker. Close down early enough to give the plants a good sweating and keep a night temperature of 70 to 75 degrees. Guard against red spider, by syringing briskly in favorable weather and fumigate periodically to keep down green fly, etc.

Tomatoes

Tomatoes having the first two trusses of fruit set will take a little feed but do not over do it if the plants are in good shape. A little and often will be found to answer best. Instances have been known where very strong plants have failed to set a crop; probably other conditions have not been quite right and the strongest plants failed. On close examination this shyness to set, in extra strong growths or plants, seems to be more than theory. Keep a buoyant atmosphere through the house at all times, having it dryer about noon than at other times, when the plants should have a shake to distribute the pollen. The quantity of moisture to keep in a tomato house is a question sometimes debated. As houses vary so much no specific times for damping can be laid down. Be governed by what the atmosphere smells like on entering a house; avoid both extremes and take care to have all dry before night. Tomatoes are queer things to tie and in no matter what position they are growing they must be brought to the stakes, etc., gradually. Always leave plenty of room in the tie as the stems will swell considerably. Water the plants thoroughly whenever they are dry. Take particular care of any corners or parts of the benches which may be near the mains and dry out oftener than the other parts of the bench.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Houses at Night

Do not be too selfish with heat, but give your roses all the heat that they require. Houses should never be closed down tight—not until the real cold weather comes. Of course old houses with loose glass will not need it so badly, but new ones that are fairly tight will want at least a crack of air. This is especially true of Beauties and one of the greatest preventives of spot. Of course we would never recommend air on a windy or stormy night; that would be folly. On still, clear nights, however, things are different.

Temperature at Night

This must be regulated as carefully as the temperature for the day. If houses run up too high because of neglect or sudden change of weather outside, proceed as in the daytime, i. e., bring the houses down to the normal temperature gradually. This with us varies according to variety of roses, stages of growth, etc., from 58 to 62 degrees F. Most of our Beauty houses are still kept up to 64 degrees and will be while the days are real warm, as we find Beauties do not like too great a difference between the two temperatures. Do not under any circumstances add more air to bring houses down. This would change the air current in the house so much that mildew would surely follow, unless, of course, your plants are perfectly hardy and not a bit soft. At the best we would recommend bringing the temperature down very gradually for reasons stated.

Coal Gas in Houses

Be careful, if your smoke stack is not very high, about opening ventilators near it as coal gas is a very bad thing to get into the greenhouse, and will do considerable damage before you know it, and it will be too late to remedy this then, as the plants will be minus considerable foliage, or if the gases are not strong enough to kill foliage the plants will no doubt look sickly and ailing without any apparent reason. The only care is to build your smokestack higher and grow the plants out of their check.

High vs. Low Smokestacks

There is no doubt considerable argument at times concerning smokestacks, many claiming that a high stack gives too much draught, thus taking all the heat from the boiler. Of those who are of this opinion we have a question to ask. What are dampers on a boiler for?

We find with extra good draught we can get a good fire "in no time." After the fire comes up good we close damper almost tight, leaving it open only enough to carry smoke and gas away. Thus all heat is retained in the boiler and nearly all absorbed by steam or water in the boiler. With low stacks and poor draught it takes two or three hours for a fire to "come up" and by that time it is pretty well burned out and has to be disturbed again; thus the flue is open almost continually and a large amount of heat is wasted, to say nothing of time required to tend boilers connected to a stack of this kind. Give us the 65 to 100-foot stack every time.

Lightning Rods

Never for one moment forget the danger of your chimney being shattered by a thunderbolt. We know of several instances where this would have happened had it not been for properly placed lightning rods. One case seems to come to us more than any other. This was on a large carnation range out in Long Island. The chimney in this instance had just been completed in the evening and it was summer, of course. No lightning rod was put that day and what a sight early next morning! A heavy storm raged during the night and next day a week's hard labor lay all in a heap with the new potting shed all crushed in. The bricks even went through the potting shed floor and come near putting the boiler out of commission. The grower then said he was very thankful that it had happened at night for had it happened in the daytime several lives may have been lost, as the men would have been laying floor and doing other work in the shed. Since then the word is "protect your chimney and be safe." You will note that some of the largest and most progressive chimney constructing companies include a lightning arresting apparatus as part of the specifications, and will not guarantee their chimneys without it and surely they know what they are about.

Next week's notes will be on the following: Liquid Manure and Mulching; Green Fly; Use of Cyanide; Disbudding.

Dendrobium Schützei

At a recent meeting of the Royal Horticultural Society, a surprise awaited orchidists, in the shape of a magnificent new Philippine Island dendrobe,—*Dendrobium Schützei*, introduced by Sander & Sons, which received at the hands of the orchid committee the highest distinction, viz., a unanimous first-class certificate.

This grand novelty belongs to the same section as the handsome *D. Sanderæ*, the flowers resembling somewhat this new introduction. The flowers also bear much resemblance to the magnificent Bornean *D. formosissimum*. It was discovered in the interior of Luzon, by Mr. Schütze, and is a most striking acquisition to the large and showy dendrobes. It has a strong constitution, and flowers freely, as indicated by the numerous flower seats on the apices of the pseudo-bulbs. The latter are from 9 to 12 inches high, and carry several large, pure white flowers, with a small emerald-green disc on the upper part of the lip, which has a ray of the same color, and a few dark spots at the base. The lance-shaped sepals are keeled; the petals broad and openly displayed; the labellum is broad and conspicuously effective.

The culture of this new introduction will in all probability be much the same as for *D. Sanderæ*, *D. Dearei*, and others of the heat-loving section. Plenty of heat and moisture when growing, and a decided airy rest to mature and ripen the pseudo-bulbs. Pure, open osmundafibre is the best material to pot in, using no moss whatever. A thorough drainage is thereby secured so necessary in the successful culture of dendrobes.

HORTICULTURE

VOL. XVI

OCTOBER 26, 1912

NO. 17

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

Per inch, 30 inches to page..... \$1.00

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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a few of their associates. Our club and society secretaries, in reporting shows might make their accounts more interesting and much more instructive by giving special attention to the more notable exhibits, novelties, etc., and less space to dry lists of first, second and third winners. To learn that A, B or C won in a certain class matters much less to the general reader than to know what he won it with; also, if a novelty, what its characteristics are, and, if an arrangement, what its points of superiority were. Education being the primary object of an exhibition why should it not also figure as a factor in the record of the exhibition? Keep this in mind, Mr. Secretary, when you prepare your accounts for the papers.

The moth problem

The hearing before the Federal Horticultural Board at Washington regarding the gypsy and brown-tail moth pests takes place next Wednesday, October 30. Of course it is very desirable to have a hearing. Vigorous demands and equally vigorous protests will no doubt be made by the various interests affected and the Board will gather in some valuable information. But, as pointed out in our issue of last week, if the "hearing" is merely a preliminary to a quarantine on the products of the infested sections of New England then as far as this applies to the nursery industry it will accomplish nothing of practical value. Its only effect will be to make jobs for an army of clerks, paralyze the nursery trade of six states and beget a sense of false security elsewhere. What is needed is that the federal government should take a more comprehensive grasp of the whole subject and get to work to help crush out the pests. The problem is conceded to be beyond the ability of the local people to handle alone. So long as brown-tail moths are permitted to breed, an impenetrable wall as high as the Washington monument will not prevent their spread, and the sooner the people learn this and the authorities acknowledge it the better.

The use of flowers at funerals

The old fuss over the prohibition of flowers at funerals in certain churches has come to the surface again, newspapers in all sections of the country devoting considerable space to the views, pro and con, of clergymen and others on this much-agitated question. It looks quite as though some of these reverend critics were actuated by a sentiment akin to self-interest in their hue-and-cry against the spending of money for funeral flowers which is "oftentimes needed for the necessities of life" for we have yet to hear any such argument against what goes into the contribution box, however destitute the giver or his family may happen to be! Naturally, the florist resents these attacks upon a custom which always has been so important a factor in the business to which he looks for support. It may be true, as one clergyman contends, that "the flower custom is but a relic of the pagan age," and also, as some assert, that many more flowers would be sold and used today could they only be disassociated from funeral affairs, but back of the custom is a tender sentiment which in time of affliction transcends all precepts and all philosophy and so long as human nature is what it is, the calls upon the florist for flowers as tributes of sympathy and condolence in bereavement will undoubtedly continue.

The foreign horticultural journals, like our own, are overcrowded at this season of the year with accounts of exhibitions, lists of prize awards, etc., a considerable portion of which is of little or no interest except to the persons whose names are mentioned as prize winners and

SHOULD THE FARMERS' NATIONAL CONGRESS BE CHANGED INTO A COUNTRY LIFE FEDERATION?

At its meeting at New Orleans, La., November 7, 1912, the Farmers' National Congress will vote to change its constitution. The new constitution proposes a country life federation of all associations, institutions and other general organizations primarily interested in country life. This federation, if formed, will include State and National Departments of Agriculture, and Agricultural colleges and experiment stations, as well as associations of agriculture, horticulture, live stock, etc. Each organization with less than four thousand members will be entitled to one delegate, with a fee of \$10. Larger organizations will be entitled to additional delegates, with an additional fee of \$5 per delegate. The primary purpose is to form a great national country life or agricultural society in which all existing country life organizations have a part. The membership will be in the form of delegates representing the respective societies, associations and institutions. This country life federation would be on a par with the American Federation of Labor, the American Federation of Women's Clubs, the American Manufacturers' Association, the National Education Association, and other like great national bodies.

Such a general organization would have a large work to do and would carry great weight in national agricultural matters, both in Congress and out. It is modeled on the plan of the federation of states in the National Government, hence would not affect the autonomy of its constituent associations and organizations, which would be left free to perform their several functions. Such a great national agricultural society would be a strong factor in building up farm families in improving rural conditions throughout and also in increasing the production of farm produce for the cities.

Invitations have been sent to all organizations whose primary interest is agriculture and country life. Those not having received an invitation to send delegates to the New Orleans meeting, should send the address of their presidents and secretaries, also a copy of their constitutions to the Secretary of the Farmers' National Congress, J. H. Kimble, Port Deposit, Maryland.

ROOT CROPS IN GREAT BRITAIN.

One of our English correspondents writes as follows:

"Statements have appeared in the American Press inferring a failure of the root-crops. Happily this is not the case for not only are roots, such as swedes, wurzel and beet of the highest quality, but the crop is abundant; indeed farmers are more than satisfied, especially as the demand during the coming winter will be great owing to the shortage of hay and corn for the cattle. In the North, Midlands and in East Anglia the potato crop has suffered immensely from disease greatly accentuated by the wet, but in other parts a good return is expected.

Indianapolis, Ind.—The greenhouse property of F. Sidney Smith, Thirty-eighth street and Senate avenue, has been sold for building purposes.

TWO VALUABLE TROPHIES.



The accompanying illustration shows two sterling silver cups offered by the Yonkers (N. Y.) Horticultural Society for competition at their Chrysanthemum Show, Oct. 30, 31 and Nov. 1.

The larger cup is offered for best 24 specimen chrysanthemum blooms, and its value is \$125. The other is offered for best bush plant and is valued at \$75.

SEEDING FLOWER GARDENS TO RYE.

Did you ever stop to think how much fertility your soil loses by being left exposed, unprotected all winter?

Just notice the snow around your garden fence, if your garden is left this way and see how much fine soil the wind blows out of the garden. No wonder the weeds thrive there so! Heavy rains will also soak and wash out the different chemicals that go to make a soil fertile, and then it is no wonder that such large amounts of fertilizer have to be applied to garden soils.

We always try to seed all garden ground—even flower beds that are not planted with bulbs—to rye, after the frost has destroyed the tender bedding plants. Then about the last of February or March while the ground is still frozen we like to apply a good dressing of manure. The rye will absorb any liquids that may soak out and when spaded and plowed under in the spring will be a great benefit to the soil. Of course, a little lime must after be applied.

This system works very good if done right as it improves the looks of the places much by leaving the garden green in winter instead of the bare, unsightly earth.

ARTHUR C. RUZICKA.

SOME NEW CHRYSANTHEMUMS.

Awards have lately been made by the National Chrysanthemum Society (England) to the following new varieties: Crimson Polly, a crimson sport from Polly; Bronze Perle, a bright bronze sport from the border variety, Pink Perle; Mrs. J. Fielding, a sport from Goacher's Crimson; Framfield Early White, pearly white; Joan Carter, early-flowering border single, of bright rich yellow; Alcalde, an early flowering variety, of a brilliant chestnut crimson—a sport from Almirante.

ST. LOUIS NOTES.

President Weber of the Florist Club has appointed a publicity committee consisting of R. J. Windler, chairman; Carl Beyer, and C. Bergsterman, who will report at the next meeting of the club.

Herman Niehaus, one of the workers at Berning's wholesale house, was married on Saturday, Oct. 19, to Miss Cora Reed. Herman will defer his honeymoon trip until later. He received congratulations from the trade early Monday morning.

J. J. Beneke, secretary of the Florist Club, informs us that President R. Vincent, Jr., of the S. A. F., will lecture before the club at its December meeting on the International Show, held in London last May, and other European shows. Arrangements will be made at the next meeting for entertaining the president on that day.

Visitors: Tim. Waters, of Poehlman's, Chicago; Julius Dillhoff, of Schloss Bros., New York, and James Morton, Chicago.

PHILADELPHIA NOTES.

Max Villar has resigned his position with Johnston Brothers.

F. B. Pierce has opened a new flower store at 115 Elmwood avenue.

Louis J. Reuter of Westerly is spending a three weeks' hunting trip in Maine.

George Johnson of the Elmwood Nurseries has received judgment against Edward Healey in the Sixth District Court for \$336.33.

Morris Miller, formerly in business on upper Westminster street, but who recently gave up his place of business, is now employed by F. Hoffman at Pawtucket.

Louie D. Pierce of Norwood, a former florist in that town, is a candidate for president of the Norwood Town Council on the Democratic Division-Bull Moose-Fusion ticket.

S. A. G.

THE EXHIBITIONS

THE ST. PAUL FLOWER SHOW.

The Minnesota State Florists' Association has arranged for its second fall show to be held in the St. Paul Auditorium, November 8 to 12. The newly elected officers of the State Association are Hugh Will of Minneapolis, president; O. J. Olson of St. Paul, vice-president; E. P. Holm of St. Paul, treasurer; S. D. Dysinger of St. Paul, secretary. Theo. Wirth and C. N.

son, vice-president; C. F. Vogt, treasurer; S. D. Dysinger, secretary; with a full complement of committees including all the prominent members of the trade in Minneapolis. O. R. Eckhardt is chairman of the finance committee, Max Kaiser of the show committee, O. J. Olson of the publicity committee, and E. W. Reid of the decorative committee.

An ample guarantee fund, pledged by the St. Paul florists, has been subscribed and a large portion of it already paid in with the understanding that all premiums awarded to outside exhibitors shall be paid first. The show committee has enlisted the services of society ladies of both St. Paul and Minneapolis who will act as patronesses of the show and will attend the opening evening in colonial costume. The debutantes of the season will sell flowers at a finely decorated booth in the center of the hall. The Guild of Catholic women—an organization with 1,200 members—will serve light refreshments in another well arranged commodious booth.

On the second day the school children will be admitted during certain hours at a reduced rate. In this connection Prof. Finney, superintendent of the city's school gardens, will exhibit model gardens in the hall and will distribute prizes awarded the past season for the best kept gardens to the winners, who will be the guests of the show for the occasion. On Sunday the Symphony Orchestra will give a popular concert in the hall—which has a seating capacity of about 10,000. It is expected that this will prove a very profitable drawing card. On Monday and Tuesday evenings Mr. J. K. M. L. Farquhar of Boston, president-elect of the Society of American Florists, will give lectures in the hall illustrated with lantern slides of views taken on his world-wide trips in Europe, Japan and many other countries of the globe. On other evenings the Scandinavian and German Singing Societies with

choruses of several hundred voices will entertain the crowds. An orchestra of twenty pieces will discourse music every afternoon and evening and prominent vocal soloists will also lend their assistance.

The show has been strongly endorsed by the Association of Commerce in a letter mailed to each of its 1,200 members, and a delegation of its members will solicit the sale of sea-



L. L. MAY.

President St. Paul Flower Show Association.

Ruedlinger of Minneapolis, L. R. Cady and L. L. May of St. Paul, executive committee.

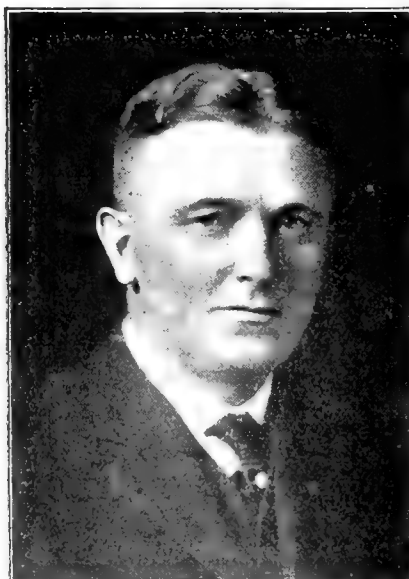
The show is to be held under the auspices of the State Association but is financed and managed by the St. Paul florists, under the following organization: L. L. May, president; O. J. Ol-



HUGH WILL.

President Minnesota State Florists' Association.

son tickets among the merchants of the city. The local newspapers have had a daily news item regarding the show for several weeks past. Other and various forms of publicity have been or will be announced—posters in store windows, street car signs, newspaper ads., etc.



O. J. OLSON.

Vice President Minnesota State Florists' Association.



S. D. DYSINGER.

Secretary Minnesota State Florists' Association.



E. P. HOLM.

Treasurer Minnesota State Florists' Association.



DREER'S

New Importation of

BAY TREES

Our importation of twelve car-loads of Standard and Pyramid Bay Trees has just arrived. Splendid stock, clean, thrifty, and of rich green color and the best values we have ever offered in the fall of the year.

If you are interested write us for special offer of same.

HENRY A. DREER, Inc.

714 Chestnut Street, PHILADELPHIA, PA.

A large and attractive premium list has been arranged with prizes aggregating \$6,000 or more in value. A class for amateurs has been provided for as well as a special class for photographs of lawns and gardens. A large number of cash prizes and trophies are offered by members of the trade and its allied industries throughout the country. The St. Paul Dispatch-Pioneer Press and the St. Paul Daily News both offer valuable silver cups, while a number of cups and other trophies will be offered by the St. Paul merchants. The Chrysanthemum Society of America offers an affiliation cup. The Minnesota Rose Society has sent out a letter to all its members urging attendance at the show and competition in the photographic contest. It is expected there will be keen competition in all classes and with weather as favorable as other conditions this show should be a record-breaker.

The following gentlemen will serve as judges: W. N. Rudd, Morgan Park, Ill.; J. S. Wilson, Des Moines, Ia.; W. L. Rock, Kansas City, Mo., and J. J. Hess, Omaha, Neb.

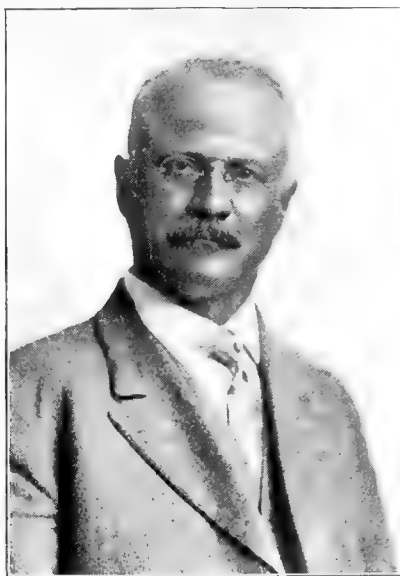
S. D. DYSINGER, Sec.

NATIONAL CHRYSANTHEMUM SOCIETY, LONDON.

On the second and third of October the above society held its first show of the season at the Crystal Palace, Sydenham. The usual competitive classes were well filled with blooms of excellent quality. In the classes for six and for twelve cut blooms of Japanese varieties there were some remarkably fine exhibition flowers. Table decorations were numerous, baskets, vases and epergnes in the decorative section were nicely and artistically set up in most cases; choice effects being often obtained by the judicious use of autumn foliage, the

bronzy, subdued tones of which shone out in delicate contrast with the brilliant tones of the flowers.

We must, however, pass over these purely competitive classes, meritorious as they were, and devote a few lines to a superficial review of the most interesting features of the miscellaneous trade displays which were the most at-



THEODORE WIRTH,
Superintendent of Minneapolis Park System.

tractive part of the show in the eyes of the ordinary visitor.

First and foremost comes Norman Davis' beautiful gold medal group arranged on the ground level. A long, irregular oval edged with a layer of fern fronds enclose a choice selection of fine cut blooms of chrysanthemums and Michaelmas daisies, right in the mid-

dle a huge sheaf of solidago. At intervals round the group were tall vases containing huge show blooms, one variety in a vase.

William Wells & Son also received a gold medal. If variety is charming then Wells' lot is entitled to be so described. There were all types, the whole brightened up by the addition of delphinium, Michaelmas daisies, autumn foliage, etc.

H. J. Jones set up a run of about 50 feet of excellent stuff the whole enclosed in a winding border of adiantum. A gold medal was awarded to him also. Here again the judicious employment of Michaelmas daisies did much to improve the tout ensemble of the group.

A silver gilt medal was awarded to F. S. Ware & Son. They showed dahlias in infinite variety with heleniums, pyrethrums, rudbeckia, tritoma, etc.

J. B. Riding is a dahlia specialist who is rapidly making headway with the new Collette section. He had an enormous run of beautifully grown and nicely shown flowers of this type, and the silver gilt medal he received is well deserved.

James Carter & Son received the same award. Their group was surmounted by a kind of floral canopy. Pteris ferns were used as an edging, then a row of asters. At the corners Michaelmas daisies, the filling in being done with cactus dahlias and more greenery. The arms or supports of the canopy were decorated with glass bowls of asters.

F. Brazier got a small silver gilt medal for a composite lot of early chrysanthemums and Michaelmas daisies and autumn foliage.

A. H. Coll contributed floral designs (small gold medal), Cragg, Harrison & Cragg, market chrysanthemums (silver medal), and H. B. May an excellent collection of ferns and begonias.

The floral committee awarded two first class certificates, viz.: to H. J. Jones for Bob Pulling, and W. Wells & Son for Mrs. G. Lloyd Wigg, both new Japs.

At the judges' luncheon Mr. Thos. Bevan presided over a comfortable little party who were in the best of spirits. Toasts were drunk in honor of the King, the judges, the exhibitors, the visitors. Responses were made by W. Wells, Sr., who said it was the finest early show he had seen, by J. N. Moorman who complimented the exhibitors on the work they had given the judges to do, and by the writer on behalf of the visitors. Among those present were Gaston Clement, president of the Paris Chrysanthemum Committee; Henri Nonin, son of the well-known raiser, and E. Delanoue of Paris. After a little turn at yarn spinning the party broke up well pleased with the day's proceedings.

C. HARMAN PAYNE.

COMING EXHIBITIONS.

October 29-30, 1912, Glen Cove, L. I., N. Y.—Chrysanthemum exhibition. Nassau County Horticultural Society. James McDonald, corresponding secretary.

October 29-31, 1912, Asbury Park, N. J.—Chrysanthemum show, Elberon Horticultural Society. D. S. Miller, secretary of the exhibition.

October 29-31, 1912, Yonkers, N. Y.—Annual chrysanthemum exhibition. Yonkers Horticultural Society, Yonkers Armory. Wm. Mills, secretary.

October 31-November 1, 1912, Madison, N. J.—Seventeenth annual flower show, Morris County Gardeners' and Florists' Society, Assembly Hall. Edward Reagan, secretary. Morristown, N. J.

October 31-November 2, 1912, Mt. Kisco, N. Y.—Annual exhibition of Northern Westchester County Horticultural and Agricultural Society, St. Francis Hall. Thos. Ranger, chairman exhibition committee, Mt. Kisco.

November 6-8, 1912, Tarrytown, N. Y.—Fourteenth annual exhibition, Tarrytown Horticultural Society, Music Hall. E. W. Neubrand, secretary, Tarrytown.

November 6-8, 1912, New York.—Chrysanthemum show, Chrysanthemum Society of America, Berkeley Lyceum building, 19-21 West Forty-fourth street. W. A. Eagleson, secretary, 19 West Forty-fourth street, New York.

November 6-10, Buffalo, N. Y.—Fall flower show, Buffalo Florists' Club, Convention hall. William F. Kasting, chairman of show committee, 383 Ellicott Street, Buffalo, N. Y.

November 7, 1912, Worcester, Mass.—Chrysanthemum exhibition. Worcester County Horticultural Society, Horticultural Hall. L. C. Midgley, secretary, 18 Front street, Worcester.

November 7-9, 1912, New Rochelle, N. Y.—Second annual exhibition, Westchester and Fairfield Horticultural Society, Germania Hall. Anthon S. Petersen, manager, New Rochelle, N. Y.

November 7-10, 1912, Boston, Mass.—Chrysanthemum show, Massachusetts Horticultural Society, Horticultural Hall. Wm. P. Rich, secretary, 300 Massachusetts avenue, Boston.

November 8-12, 1912, St. Paul, Minn.—Flower show, Minnesota State Florists' Association, Auditorium. S. D. Dysinger, secretary, 20 West Fifth street, St. Paul.

November 14-16, 1912, Cleveland, O.—First exhibition, Ohio Horticultural Society, Gray's Armory. John N. Stockwell, secretary, 218 City Hall, Cleveland.

November 18-23, 1912, Baltimore, Md.—Annual exhibition, Maryland State Horticultural Society, Fifth Regiment Armory. T. B. Symons, secretary, College Park Md.

December 11-13, 1912, Rochester, N. Y.—Fifty-eighth annual meeting and exhibition of the Western New York Horticultural Society in Convention Hall.

November 6-7, New London, Conn.—Chrysanthemum and fruit show, New London Horticultural Society, Y. M. C. A. gymnasium.

Active preparations are in progress for the third annual flower show of the Rochester Florists' Association. Chas. H. Vick is again chairman of the general committee, F. J. Keller,

chairman of the decorating committee. As before, the show will be arranged for comprehensive artistic effect and Wm. Pitkin, Jr., and F. L. Trautmann have prepared the plans. John Dunbar is president of the Association, and is well supported by the entire florist and nursery trade in making this a record exhibition.

NATIONAL FLOWER SHOW, 1913.

C. H. Totty, chairman of the National Flower Show Committee, announces the following special premiums in addition to those already announced:

The Nassau County (N. Y.) Horticultural Society will donate a silver cup, value \$50, to be used as the committee thinks best, but for competition by private gardeners only.

The Westchester (N. Y.) and Fairfield (Conn.) Horticultural Society will donate a silver cup value \$50, and will leave the disposition of same to the committee.

The Morris County (N. J.) Gardeners' and Florists' Society offers a prize of \$50 in cash, to be offered as the committee sees fit.

Henshaw & Fenrich offer a silver cup, value \$25, class to be announced by the committee.

John Waterer & Sons, of Bagshot, England, offer \$100 for a group of rhododendrons covering 100 ft.



For full information, schedules, space for trade exhibits, etc., write to: John Young, Secretary and Manager for Trade Exhibition, 54 W. 28th St., New York City.

The American Institute of the City of New York offers the following medals of the Institute for award as the committee sees fit: The special medal of silver; the bronze medal of superiority; the bronze medal of excellence; the bronze medal of merit.

The Pittsburgh Cut Flower Co. offers a \$25 silver cup, to be awarded for twenty-five blooms of the best pink forcing rose not yet disseminated, either of domestic or foreign origin.

The Yokohama Nursery Co., New York, offers a prize of \$20 to be used in the discretion of the committee.

John I. Pratt offers a prize of \$25 in the class for gardenias.

The Massachusetts Horticultural Society offers one gold medal and three silver medals for award in classes to be announced later.

The New Jersey Floricultural Society offers a silver cup, value \$25, for competition in any class the committee desires.

The Lenox (Mass.) Horticultural Society offers a silver cup, value \$25, for a vase of twenty-five roses, any one variety except American Beauty, the competition to be open to private gardeners only.

J. H. PEPPER.

Chairman Publicity Committee.

Terra Bella, Cal.—The Tokio Nursery has been purchased by George A. H. Farmer, of Portersville.

PLANT QUARANTINE RULES.

Circular of Information to Importers of Nursery Stock.

Under the plant quarantine act, approved August 20, 1912, the importer of nursery stock must attend to the following conditions of entry:

(1) He must take out a permit therefor in advance. This permit should preferably be taken out by the person who is to receive the goods at final destination. A broker or commission merchant may take out a permit in his own name, if he imports for his own account, or he can act as agent for and take out the permit in the name of the actual purchaser.

(2) He must see that each package on arrival bears the proper certificate of foreign inspection. (See Regulation 6.)

(3) He must see that each package is marked in accordance with Section 3 of the act. As a matter of convenience, this marking should also contain the additional information called for in Section 4, to avoid the trouble of remarking before the goods can be delivered for interstate shipment. The certificate and marking should preferably be on the goods before they leave the foreign port.

(4) After December 1, 1912, each shipment must be accompanied with the consular declaration called for in Regulation 9. This declaration must accompany the consular invoice and is not to be attached to the individual container.

What the importer or broker must do before the goods can be shipped or removed from a port of entry:

(1) He must immediately (before shipping or removal) advise the Secretary of Agriculture and State Inspectors in accordance with Section 2 and Regulation 8.

(2) He must see that each container is marked in accordance with Section 4; that is in addition to the information in the label of entry, each container must bear the name and address of the consignee at destination, where the stock is to be inspected by the State, territorial or district official. (See Section 2 and Regulation 8.)

Importers are warned that failure to meet the requirements of the law as outlined above subjects them to the penalties fixed in Section 10 of the act.

Federal Horticultural Board.

Approved: James Wilson, Secretary of Agriculture.

A BIG CHRYSANTHEMUM.

I think the biggest bloom of a chrysanthemum I ever saw was a F. S. Valis, shown a few years ago at the Paris show by Dubuisson-Foubert. It measured from tip to tip 46 centimetres. This now appears to have been beaten by a Miss Dorothy Goldsmith, recently grown by a French amateur, Albert Cuisin. At a meeting of the French Association of Amateurs the bloom was examined and measured by the committee who certify to its being 52 centimetres in diameter—that is about 21½ inches across, the petals, of course, laid out flat. Albert Cuisin therefore holds the record and the prize of 100 francs, or \$20 in American money.

C. HARMAN PAYNE.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse
Products for Florists

**PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS
PLANTS, EVERGREENS, ROSES, RHODODENDRONS,
VINES AND CLIMBERS, AUTUMN BULBS
AND ROOTS, CONIFERS, PINES**

Florists are always welcome visitors to our Nurseries. We are only a few minutes from New York City; Carlton Hill Station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists

Rutherford, N. J.

CYCLAMEN PLANTS

10,000 Cyclamen in 3-in. pots, Low's Salmon, true, \$8.00 per 100.

500 Cyclamen, Low's Mrs. Buckston, newest novelty for show purposes, 2½-in. pots @ 20c. each.

These are plants all raised from seeds imported direct from Europe

BERGENFIELD NURSERIES, Bergenfield, N. J.

HARDY RHODODENDRONS

APPLY TO

JOHN WATERER & SONS, Ltd.

American Nurseries, - Bagshot, Surrey, England

For lists of best kinds, and also for other
ornamental shrubs



W. B. WHITTIER & CO.,
SOUTH FRAMINGHAM . . MASS.
GROWERS OF HIGH GRADE NURSERY STOCK
LARGE ASSORTMENT
WRITE FOR PRICES BEFORE ORDERING ELSEWHERE

GOODSELL'S GRASSES SELL GOOD

For autumn sowing and exceptional results few equal. *Quality and prices beyond comparison. Get down to the turf*

Write for List and Reserve Your Order

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Bulbs for Forcing

BEDDING AND NATURALIZING. We have made arrangements with the leading growers to have our bulbs specially selected.

W. E. MAYNARD

Manager Sales Department
157-159 William Street (Basement)

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and Descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

Nursery Stock

Fruit and Ornamental Trees, Shrubs,
Small Fruits, Clematis, Evergreens
and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Her-
baceous Plants.

P. OUWERKERK,

216 Jane St. Weehawken Heights
P. O. No. 1, Hoboken, N. J.

ROSES

From 3-inch pots—strong, own root.

Lady Hillingdon, fine stock, Grafted,
\$25.00 per 100; Own Root, \$15.00 per
100.

Double Pink Killarney, Radiance, Mrs.
Taft, Mrs. Wardell, My Maryland,
Harry Kirk, \$10.00 per 100.

Pink Killarney, White Killarney,
Kaiserin Augusta Victoria, Richmond,
Perle, Sunrise, Sunset, American
Beauty, \$8.00 per 100.

Bride, Bridesmaid, Bon Silene, La
France, Gruss an Teplitz, Clothilde
Souper, Souvenir de Wootton, \$7.00
per 100; \$80.00 per 1000.

Grafted, 3-inch pots.

Mrs. Taft, Pink Killarney, Maryland,
Mrs. Wardell, Kaiserin, Bride, Brides-
maid, \$15.00 per 100.

Wood Brothers

FISHKILL, N. Y.

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AMATEURS

NURSEYMEN

APPLY FOR THE GENERAL
ILLUSTRATED CATALOGUE OF

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Any quantity, size and age. No
better grown. Shade and orna-
mental Trees, Shrubs and Vines.
Full line of Fruit Trees and
Plants.

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Send for Price List.

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Wyncote, Pa.

A. N. Pierson, Inc.,

CROMWELL, CONN.

Bedding Plants and Roses

PALMS, FERNS AND

DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 250 Bedford BROOKLYN, N. Y.

In Writing to Advertisers Kindly Mention "HORTICULTURE"

Seed Trade

The Astor Seed Crop.

Aster seed is now being harvested on the Rochester farms of James Vick's Sons, and present indications point to a satisfactory crop. The fifty acres on the two farms are an important factor in the aster situation in the United States, and the writer was pleased to be able to make a thorough inspection of the fields.

The season has been backward. Two months of showery weather, while promoting a good growth of Late Branching varieties, has retarded the ripening of mid-season asters. A full yield of Queen of the Market varieties seemed assured. The stock has been cured and is nearly ready for delivery and it is now awaiting only the completion of new threshing and cleaning machinery.

The harvesting of varieties like Day-break and Purity did not begin until after October 15th. The rows of late varieties are well filled with plants and an examination of the heads promises a crop fully up to the average. About the same conditions are found on the farms of other growers in western and central New York.

A general improvement in the character of the stock of the older varieties is apparent from year to year, and many new things of merit are being developed in the aster trial grounds. Two novelties are to be offered to the trade this season—a new and desirable shade in Branching to be called "Peach Blossom," and a large mid-season upright white to be called "Vick's White Perfection." The "Perfection" is unlike anything I have seen, the whole flower being strongly whorled, and the effect is decidedly pleasing.

The development of the aster is now more rapid than ever before. There were flowers in Vick's trials this summer like perfect incurved chrysanthemums, and actually larger and more double than the early chrysanthemums. These types are well fixed and can be had in commercial quantities in a year or two.

Roy C. Faulwetter of the Department of Plant Pathology, Cornell University, was a recent visitor at the Vick farms, collecting material for a study of diseases of the aster plants. No work has been done along this line for many years and it is to be hoped that Mr. Faulwetter may be successful.

SCHUYLER ARNOLD.

Notes.

Seattle, Wash.—A two-story packing shed is being erected by the H. B. Burdett Co. at First avenue and Denny way.

New Orleans, La. — Chris. Reuter, seedsman, 1140 Decatur street, has recently annexed the building next to him and will handle a full line of grass and field seeds, etc., in addition to his regular line of vegetable seeds for southern market gardeners.

Denver, Colo. — The Colorado Seed and Nursery Co. has begun business at 1515 Champa street. C. R. Root, formerly with the Barteldes Seed Co., is president of the company and has as-

sociated with him L. Malone, William Horlacher and R. A. Gettelman.

Cleveland, O.—A new company has been incorporated here to deal in field, garden and flower seeds under the name of the Templin-Crockett-Bradley Co. The capital stock is \$10,000 and incorporators are R. L. Templin, P. J. Crockett, Mary E. Templin and Carl R. Brown.

There is little to be added to our recent notes regarding seed crops. Peas, probably the most important item on the list will, it is expected, be delivered on contracts to the extent of 60 to 70 per cent of amount named in each case; this will stand as an average for the full list of varieties. Beans are more likely to be short. Onion sets are a fair crop in the west and southwest but fully 50 per cent of these crops are "pickler size," and Pennsylvania and New Jersey crops are not large; in fact, some sections have very light crops.

CATALOGUES RECEIVED.

F. W. Kelsey Nursery Co., New York City. Trees, Shrubs and Hardy Plants for 1912.

Fredrick Roemer, Quedlinburg, Germany. Novelties in Flower Seeds for 1913. An interesting illustrated list.

Pape & Bergmann, Quedlinburg, Germany. Illustrated price list of 1913 novelties, including dahlias, begonias, petunias, etc.

Peter Lambert, Trier, Mosel. Illustrated general catalogue, more than one-half of which is devoted to roses, including 1912 novelties.

Eastern Nurseries, Jamaica Plain, Mass. Illustrated Wholesale Trade List. The Dawson hybrid roses and other things of striking merit are here listed.

Harrison's Nurseries, Berlin, Md. "The Why and How of Shade Trees and Evergreens." Filled with valuable suggestions and instruction and thus much more than a mere catalogue. Worth having and reading.

V. Lemoine & Fils, Nancy, France. General Catalogue, 1912. Among the interesting novelties listed are a double yellow tree peony, hybrid primulas, viburnum and hydrangea, all of which are shown in full-page plates.

A VALUABLE FRENCH PUBLICATION.

La Vie a la Campagne is a French journal, as its title indicates, largely devoted to rural affairs and is under the editorial charge of M. Albert Maumene, at one time the sub-editor of our contemporary "Le Jardin." Gardening of course occupies a large part of its columns and we make mention of it now chiefly for the purpose of drawing attention to the Special Rose Number issued a few weeks ago. Among the illustrations are several reproductions of roses painted by the great Redoute in color. There is an article on the Rosery at La Malmaison, some cultural notes, an article on modern rosaries including those of C. Hay and Bagatelle. Several on English rose gardens, with an enormous number of views executed in capital style. In fact it is a veritable rose growers' vademecum, and does the editor great credit. There are not fewer than 130 illustrations of plans, designs, etc., in black and white.

Obituary.

William A. Yelland.

William A. Yelland, traveling salesman for C. C. Morse & Co., seedsmen, San Francisco, Cal., died suddenly in Darien, Conn., recently, aged 52 years. He leaves a wife and five children.

James C. Murray.

After a long illness James C. Murray, florist, of Peoria, Ill., died at his home on October 13, aged 63 years. He was born in Yarmouth, England, and came to the United States in infancy. He began the florist business in Peoria thirty-five years ago. His wife and one son survive him.

George J. Edwards.

George J. Edwards, of the Edwards Folding Box Co., 27 North Twenty-sixth street, Philadelphia, Pa., died recently, aged 75 years. He had been connected with the paper box business all his life and originated the lock corner flower box so universally used. He was for a number of years a member of the S. A. F. & O. H. The business will be continued by his sons. His wife, two sons, and a daughter survive him.

Henry M. Wilson.

Following a long illness, Henry M. Wilson, nurseryman at Middletown, near Newport, R. I., died at his residence, on Oct. 17, in the eighty-first year of his age. The Wilson Nursery which he established about thirty years ago, has long been noted for its fine specimen plants and well kept appearance. The business will probably be continued by his son, J. Edward Wilson, who has had the management of the concern for some time.

MUST INSPECT FREE PLANTS.

The time-honored free-plant distribution to Congressional districts has fallen under the inspection requirements through a postal regulation directing that nursery stock shall be admissible to the mails only when accompanied by a certificate that the stock has been inspected and found to be healthy. The Government is the most extensive shipper of plants and shrubs, which are nursery stock.

Department of Agriculture officials are struggling with the problem of how best to inspect the several hundred thousand packets of plants, bulbs, and shrubs annually distributed throughout the country at the instance of members of the two houses of Congress. The Department probably will inspect the plants in bulk instead of each individual shipment among the 200,000 or 300,000 sent out at the request of Senators and Representatives. The 12,000,000 shipments of seeds which Congress sends its constituents do not come within the inspection department.—*New York Press*.

Floral Park, N. Y. — A range of houses owned by John Lewis Childs have been leased by O. B. Coomes, Jr., of Jamaica. He will use them to grow stock for his store.

Our Introduction for 1913

The New Clear Scarlet Bedding Geranium

"HELEN MICHELL"

ITS MERITS:

1. The **Finest Scarlet** Geranium ever introduced.
2. The **only** scarlet variety, which blooms all summer.
3. The **largest** truss and single bloom of any.
4. Is semi-double, compact and medium dwarf.
5. Has **most** blooms to a single plant.
6. The **best** Propagator of all.
7. Stands all kinds of weather.
8. Blooms early and continuous.

ALL IN ALL

THE BEST MONEY-MAKER FOR THE FLORIST.

Orders booked now are filled in rotation as received from January 1913 onward.

2 1/4 inch pots, \$2.50 doz.; \$15.00 per 100; \$125.00 per 1000

\$50.00 IN GOLD WE OFFER as a prize for the best 4-in. pot of "Helen Michell" to be competed for at the National Flower Show, at New York, April, 1913.

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QUALITY SEEDS BULBS PLANTS

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BULBS

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Ready Now

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For Fall Planting

Price List for the Asking

The W. W. Barnard Co.

231-235 W. Madison St., CHICAGO

Fall Bulbs Selling Fast

Still have stock of all late and a few early varieties.

Special Prices.

FREESIA REFRACTA ALBA.

Extra Large, \$0.75 per hundred. \$6.75 per thousand.
Mammoth Bulbs, \$1.00 per hundred. \$9.00 per thousand.

LILIU HARRISII,

6-7 inches, \$0.75 per dozen. \$3.50 per hundred.
For Florists and Dealers Only.

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JAMES VICK'S SONS
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TOMATO SEED

BEST STOCKS. ALL VARIETIES.

The Haven Seed Co.

Growers for Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

POINSETTIAS 2 1-2 in. strong, \$5 per 100; \$45 per 1000
CYCLAMEN SEED the celebrated English strain, \$9 per 1000
PANSY SEED, home-grown, finest giant strain. \$5 per oz. ~~1000~~

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SHAMROCK, TRUE IRISH, PER OZ., \$1.00
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The Everett B. Clark Seed Co.

GROWERS FOR THE TRADE

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

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226-230 W. KINZIE STREET, CHICAGO
ONION SETS
Write for Prices



WE have a good deal to say in our Bulb Catalog which is of very special interest to florists.

When writing for a copy explain that you are a florist and ask for our Special Florist's Edition with Prices.

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33 Barclay Street, New York

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English Mushroom Spawn
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\$8.00 per 100 POUNDS

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114 Chambers Street, New York City

Oklahoma Seed Growers Co.

Contract Growers of

Watermelon and Muskmelon Seeds
for the Wholesale Trade only

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BLUE LIST OF WHOLESALE PRICES
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"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

Of Interest to Retail Florists

Lima, Ohio—The Swan Floral Co. has moved its salesroom to the ground floor of the Masonic Temple on West High street.

A very pretty little rose is displayed in Penn's window, Bromfield street, Boston, this week, under the name of Fire Flame. Despite the fact that it is a single rose—simply five petals—it attracts the passers-by because of its lovely copper yellow color and the graceful poise of its numerous flowers and buds. There is a place for these dainty little roses in tasteful floral work.

STEAMER DEPARTURES

Allan.	
Parisian, Boston-Glasgow....	Nov. 8
American.	
Philadelph'a, N. Y.-S'hampton.	Nov. 2
Atlantic Transport.	
Minnewaska, N. Y.-London...	Nov. 2
Cunard.	
Franconia, Boston-Liverpool..	Oct. 29
Carmania, N. Y.-Liverpool...	Nov. 2
Hamburg-American.	
K. A. Victoria, N. Y.-Hamb'g.	Nov. 2
Holland-America.	
Potsdam, N. Y.-Rotterdam....	Oct. 29
New A'st'rd'm, N. Y.-R't'rd'm.	Nov. 5
Leyland.	
Bohemian, Boston Liverpool..	Nov. 2
North German Lloyd.	
K. W. der Grosse, N. Y.-B'm'n.	Oct. 29
Geo. Washington, N. Y.-B'm'n.	Oct. 31
Kronp. Cecilie, N. Y.-Bremen.	Nov. 5
Red Star.	
Kroonland, N. Y.-Antwerp....	Oct. 30
White Star.	
Cedric, N. Y.-Liverpool.....	Oct. 31
Oceanic, N. Y.-Southampton..	Nov. 2
Cymric, Boston-Liverpool....	Nov. 5
Celtic, N. Y.-Liverpool.....	Nov. 7
Canopic, Boston-Mediter'n....	Nov. 9

NEW FLOWER STORES.

Oakland, Cal.—H. Warburton, 1803 Telegraph avenue.

Elmira, N. Y.—Chris. James, 143½ West Water street.

Hammond Flower Store, 103 State St., Chicago, Ill.; Hammond, Ind.

Jamestown, N. D.—Haskins Floral Co., branch of their Bismark store.

Carlisle, Pa.—Crescent Flower Shop, 25 North Hanover street, E. H. Smith, proprietor.

Kenosha, Wis.—The Flower Shop, 567 South Chicago street, Peter Oberlin, proprietor.

Indianapolis, Ind.—Benson, the Florist, will soon occupy his new store in the Denison Hotel on North Pennsylvania street.

IRWIN BERTERMANN, Indianapolis, Pres.
W. F. GUDE, Washington, Vice-President.
W. L. ROCK, Treasurer, Kansas City.

OTHER DIRECTORS:

Ernst Wienhoeber, Philip Breitmeyer, A. B. Cartledge, George Asmus, Fred H. Melnhardt, J. A. Valentine.

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Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardspier.

LOUISVILLE, KY.

JACOB SCHULZ,
550 South Fourth Ave.

Member Florists' Telegraph Delivery.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston
and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, BOSTON.

CARBONE

Member Florists' Telegraph Delivery
342 Boylston St., Boston

Vases, Garden Furniture, Art Goods and
New Designs in Tuscan Baskets for
Florists' Use, in Wholesale Department.

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WORCESTER, - MASS.

Deliveries to all Points in New England.
125,000 square feet of glass.

FOR NEWPORT

Narragansett Pier and All Other Rhode
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36 WASHINGTON SQUARE, - - - NEWPORT, R. I.

Rochester, N. Y.

J. B. KELLER SONS, FLORISTS

25 Clinton Avenue, N.

Rochester Phone 306. Long Dist. Bell Phone 2189
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Salter Bros
38 MAIN STREET, WEST.

The California Florist

JULIUS EPPSTEIN — FRANK H. FORREST

344 - 346 Geary Street, SAN FRANCISCO,
and Hotel St. Francis, CAL.

We cover the entire Pacific Coast and West
of the Rockies. Wire us your orders for
all Steamers sailing for Honolulu, Manila
and the Orient. Regular Trade Discount

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

Pelicano, Rossi & Co.
123 KEARNY ST.

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - - TORONTO, ONT.

Of Interest to Retail Florists

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 78 Maiden
Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Ed. MacMulkin, 194 Boylston St.
Boston—Penn, the Florist, 37-43 Brom-
field St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Phillip L. Carbone, 342 Boylston
St.

Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Denver, Col.—Park Floral Co., 1843 B'way.
Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912
Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.

Detroit, Mich.—Florists' Telegraph De-
liveries, 153 Bates St.

Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Wash-
ington Sq.

New York—George M. Stumpp, 761 Fifth
Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St.
and Madison Ave.

Providence, R. I.—T. J. Johnston & Co.,
171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main
St., West.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

San Francisco, Cal.—The California
Florist, 344-346 Geary St.

San Francisco, Cal.—Pelicano, Rossi &
Co., 123 Kearny St.

Schenectady, N. Y.—J. C. Hatcher.

St. Paul—Holm & Olsen, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Wellesley, Mass.—Talby.

Worcester, Mass.—H. F. A. Lange.

PERSONAL.

Julius Roehrs, Sr., of Rutherford, N.
J., has gone to Trinidad for a three
weeks' stay.

Charles E. Gullett, of W. H. Gullett
& Sons, florists, Lincoln, Neb., was
married on October 12 to Miss Ida Bid-
dle.

Asa C. Craig has resigned his posi-
tion as salesman and assumed the
position of manager of the Portsmouth
Flower Shop, Portsmouth, N. H.

A post card received from Secretary
Benj. Hammond of the American Rose
Society locates that gentleman at Win-
nipeg, Manitoba. He says there are
wild roses there.

Philadelphia visitors: Jos. Fleisch-
man, N. Y. City; Mr. and Mrs. J. Mc-
kenna, Montreal, Canada.

Cincinnati visitors: Frank Farney
of M. Rice & Co., Philadelphia, and
Mr. Thomas, Augusta, Ky.

Boston visitors: Richard Rothe, for-
merly of Northeast Harbor, Me., hence-
forth of Phila., Pa.; A. E. Thatcher,
Bar Harbor, Me.; Mr. Kneeland, of
Kneeland Carnation Co., Middleboro,
Mass.

BOSTON, MASS.

Penn the Florist
the Florist

"Penn, The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET

TRANSFER

Your orders for flower or plant de-
livery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston



**WASHINGTON,
D. C.**

GUDE'S

Member Florists'
Telegraph Delivery.

Chicago.

A. LANGE,

25 E. MADISON ST.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 44-8.

THE Florists' Supply House of America

H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you
require, and for what kind of cut flowers you wish
to use the refrigerator; also state whether you
want it for display or only for storage.

McCray Refrigerator Co.,
553 Lake Street, Kendallville, Ind.

Mention Horticulture when you write.

C. H. Totty's new pink rose Mrs.
Geo. Shawyer, is meeting with a most
favorable reception everywhere it is
shown. We understand it is Mr. Tot-
ty's purpose to exhibit it at all the
shows this fall and thus afford all in-
terested an opportunity to see it.

The Hill-Heller Co. are advertising
a mammoth chrysanthemum show at
their Cincinnati store the end of this
week.

TWO NOTABLE MEMORIAL DESIGNS.



The two elaborate floral pieces illustrated herewith were, as indicated on the ribbon inscriptions, tributes to the memory of George Washington from the foreign delegates to the fifth International Congress of Chambers of Commerce held in Boston, and to the memory of Friedrich the Great, from the German delegates, respectively, when the delegates visited Washington, D. C., after the adjournment of the Congress. Both pieces were made by Gude Bros. Co.

FLOWERS FOR HALLOWE'EN.

The New York Florists' Club has sent out many thousands of the following circular to the retail florists of that city and vicinity, to be distributed among their customers.

The general purpose of the various national customs of celebrating Hallowe'en was originally to enable the young people to learn by vaticination the names of their future wives or husbands. This was effected through pulling kade in the garden, or oat straw from the stack; the roasting of nuts on the coals; the catching in the mouth of the twirling apple, or dipping for it or forking it in a tub of water; by three dishes, one of clean, one of foul water and one empty. The family bonfire antedating all these soon passed into disuse. Further more, Hallowe'en was the anniversary night, not only of the good fairies, but also of witches, devils and other mischief-making beings. From the United Kingdom, Hallowe'en observance came into the United States, "England's eldest daughter." Here, in recent years, former Hallowe'en customs have all too often degenerated into rude, uncouth, meaningless and sometimes harmful tricks and pranks.

The world, however, moves and for the customs which used to be associated with the observance of certain holidays in one century, often others of an entirely different character are substituted in the next. Sometimes even a decade brings marked changes in the observance of holidays. This is true in the case of Hallowe'en.

As Paris in matters of dress sets the fashion for the old world, so in New York are inaugurated many new customs for the new world. Therefore, it is not strange that in this great cosmopolitan city the custom has been established and is fast growing in popularity of celebrating Hallowe'en, not with bonfires and jack o'lanterns, not by mischievous and rude pranks, not by fireside revelries and the learning by divination of the name of a future sweetheart, but in a much more delicate and refined way.

In this new observance of Hallowe'en, the father brings home to his family, the lover sends to his lady, friends send to friends, not forgetting the sick in their homes and in hospitals, beautiful and fragrant flowers, the chrysanthemum, queen of autumn; the rose, queen of all flowers; the carnation, the divine flower; the aristocratic uniquely beautiful orchid, the modest lily of the valley, and the queenly lily. Could any innovation be more commendable or more to be encouraged than this

change from the rude methods of observing Hallowe'en in the old days to the present custom of using flowers on that occasion?

CHICAGO NOTES.

Thursday, Nov. 7th, will be Ladies' Night at the Chicago Florists' Club meeting and a fine program is under preparation.

The erroneous report in the Tribune of the death of Otto Bach, an employee of the Poehlmann Bros.' Co., provoked a smile, notwithstanding the seriousness of the subject.

Clifford Pruner will hereafter travel in the interest of Poehlmann Bros.' supply department. It is sixteen years since he started with E. H. Hunt and during most of these years he has represented that well-known house in various capacities. His ability as a salesman is well known and with his pleasing personality he will be a strong factor for the success of the new department.

Announcement is made of the engagement of Ella Pearce, daughter of Mr. and Mrs. Samuel J. Pearce of 2,137 Clybourn Ave., and Ashton Ricketts. The wedding will take place Nov. 20 at the Evangelical Bethlehem Kirche. It is interesting to note that the same pastor, J. Kircher, who will perform the ceremony, officiated at the wedding of Mr. and Mrs. Pearce. Miss Pearce's sister, Mrs. George Tegelaar, who was a bride last spring and went to Holland with her husband, who is a bulb grower, is home for the wedding.

Visitors: Mr. and Mrs. E. A. Scott, Navasota, Tex.; Mr. and Mrs. George Tegelaar, Holland; P. N. Obertin, Kenosha, Wis.

Fort Wayne, Ind.—The flower shop of Mrs. Lydia Auger, 114 East Washington street, has been purchased by Herbert Zurmuehlen, formerly manager of the Bradley Flower Shop.

WASHINGTON NOTES.

D. B. Edwards of Atlantic City was a visitor here last week.

It is reported that the firm of J. R. Freeman has purchased a one-ton automobile delivery truck.

Gude Bros. have a good sized thermometer bearing their advertisement which they are distributing around town.

The S. S. Pennock-Meehan Company is now showing the new Irish Fire Flame rose, a single recently introduced which, because of its handsome color, should prove a great favorite here.

Z. D. Blackstone and William Marché took prominent parts in the luncheon-meeting of the Retail Merchants' Association, of which they are very active members. The former is chairman of the committee on the florists trade.

If the florists and commission merchants of this city desire to continue doing business, they must renew the licenses issued to them by the District of Columbia assessor of taxes promptly after October 31, the date of expiration of the present licenses.

NEW YORK NOTES.

Alfred G. Campkin, late of Watkins & Simpson, London, has joined the staff of Arthur T. Boddington.

Peter Henderson & Co. are showing a very interesting collection of squash, about thirty varieties. They have also a good display of named chrysanthemums.

H. M. Robinson Co., 26th street, have just had installed two new ice boxes. They received this week the first installment of the new chrysanthemum Ivory.

Visitors: John K. M. L. Farquhar, Boston; Thos. Roland, Nahant; J. B. Agnew, Agnew, Calif., and W. C. Mountain, bulb grower, Constantinople.

Clubs and Societies

THE NORTHERN INDIANA FLORISTS' ASSOCIATION.

The Northern Indiana Florists' Association held their quarterly meeting at Kendallville, Ind., on Oct. 16. The day was pleasant and program fine. A trip of greenhouse inspection took in the establishment of the Johnson Floral Company, who have just installed two new boilers. The meeting was held at the First M. E. Church. A fine exhibition room was provided which was well filled with exhibits which would do credit to a larger city and which during the day was visited by a large number of the flower lovers of the city.

Frank & Sons, Portland, Ind., had one of the finest exhibits of roses we have ever seen, including W. R. Smith, White and Pink Killarney, Maryland and Kaiserin. W. W. Coles, Kokomo, also staged a fine lot of roses. In carnations, Johnson Floral Co., L. A. Cole, Kokomo, W. W. Dederick, Warsaw, Ind., were leaders. Ten Eyck & Son, Auburn, staged chrysanthemums, as did also South Bend Floral Co. Christ Winterich, Defiance, Ohio, had some cyclamen plants in 6 and 8-inch pots which certainly did him credit. Other exhibitors were: Johnson Floral Co., a fine display of plants; Simon Humfeld, Muncie, plants and florists' necessities; Mt. Gilead Pottery Co., pots and pans; A. A. Arnold, Chicago, cut flower boxes; A. L. Randall Co., Chicago, florists' supplies; W. W. Barnard Co., Chicago, florists' supplies and bulbs.

At the noon hour the ladies of the church had an elegant banquet spread, after which the tour of inspection was resumed by automobile, visiting the Kendallville Celery Gardens; Flint & Walling (Star) pump and windmill works; the McCray Refrigerator Co., where were seen refrigerators, great and small, in all stages from the first stage to the finished product and we can testify there is no shoddy work done here.

Christ Winterich, Defiance, O.; Theodore Haserodt, Mt. Gilead, O.; A. W. Herre, Chicago, Ill.; C. O. Wilcox, Chicago; S. H. Ten Eyck, Auburn, Ind.; Otto O. Shrock, Ligonier, Ind., and Arthur E. Sumner, Garrett, Ind., were added to the membership roll.

Columbia City, Ind., was selected for next meeting place which will be Jan. 15, 1913. A. J. WAGONER, Sec'y.

CLUB AND SOCIETY NOTES.

The home address of Mrs. Charles H. Maynard, Secretary Ladies' S. A. F., will be at 260 Rosedale Court, Detroit, Mich. Mr. Maynard will be found at 6 Adams Ave., W., as manager of the Detroit Cut Flower Supply House.

The next meeting of the New York Florists' Club will be held on Monday evening, November 11th, and will be known as "Chrysanthemum Night." Growers are invited to send any novelties or seedlings that they may have in condition at that time, and they will be passed upon by the committee.

The New York and New Jersey Plant Growers' Association had their usual fall trip of inspection among Long Island places last Monday, 25 members participating. Visits were

made to the establishments of A. H. Hews & Co., Whilldin Pottery Co., W. H. Siebrecht, Phil Einsman, T. W. Langen, A. Schultheis, L. Dupuy, Knight & Struck, Hinode Florist Co., W. Pankok, H. Dreyer, Fred Marquardt, A. L. Miller, John Scott and John Wagner.

The committee on nominations of the Massachusetts Horticultural Society announces the following list of candidates to be offered at the annual meeting, November 16: President, John K. M. L. Farquhar; vice-president, Richard M. Saltonstall; trustees, A. F. Estabrook, William Downs, N. T. Kidder, C. W. Parker, George R. White; nominating committee, H. L. Frost, H. S. Hunnewell, T. D. Hatfield, H. W. Rawson, William Sim. In accordance with the by-laws of the Society two weeks are allowed for further nominations, should any be desired.

The annual fall exhibition of the Horticultural Society of New York takes place on November 1st to 5th, at the American Museum of Natural History. Schedules may be had by addressing the secretary, George V. Nash, New York Botanical Garden, Bronx Park, New York City.

A meeting of the society takes place on Saturday, Nov. 2nd, at 4 P. M., at which a lecture will be delivered by George V. Nash on "Horticulture in the Northwest," illustrated with lantern slides made from pictures taken by the lecturer during his visits to that country.

The monthly meeting of the Florists' and Gardeners' Club of Rhode Island was held in Swarts Lodge Hall, Monday evening, Oct. 21, with a fair attendance. The resignation of Prof. H. J. Wheeler, a director of the Agricultural Experiment Station of the Rhode Island State College and an active members of the Florists' Club, was received. Prof. Wheeler is seeking a wider field of opportunity and will sever his connection with the State College on Dec. 1. It is with keen regret that the club accepted the resignation and expressed deep regret that it was about to lose the wise counsel and ever-willing support of one who has done much for the florists and gardeners of the state in advancing their interests. As a fitting recognition of his labors in the club it elected him to honorary membership.

The Cook County Florists' Association, Chicago, held its regular monthly meeting October 17, and elected to membership Edw. A. Ollinger, 706 Buckingham Place; E. R. Armstrong, 163 N. Wabash Ave.; Harry C. Young, 10 N. Wabash Ave., and Fred Lautenschlager, 440 W. Erie St. The following names were proposed: Frank Oechslein, 4911 Quincy St.; C. Flannfelder, 3343 Madison St.; C. L. Washburn, 131 N. Wabash Ave., and Arthur Dickum, 1604 S. 8th Ave., Maywood, Ill. A vase of a new single copper colored rose, called Fireflame, was exhibited by the Pennock-Meehan Co. A vote of thanks was given H. N. Bruns for his interesting talk on what he had seen of the flower industry while on his recent trip abroad. Considerable amusement was afforded the club by a standing vote for the presidency in which Roosevelt won out.

During Recess.

National Association of Gardeners.

A bowling tournament has been arranged for in connection with the annual convention of the National Association of Gardeners, which will be held in Newark, N. J., on November 19th.

The tournament will be rolled on the Tuxedo Academy alleys, Halsey street, Newark, N. J., on Monday evening, November 18th, and Tuesday forenoon, November 19th. Teams, of three men, members of the local societies, or clubs they represent, and members in good standing of the N. A. G. will roll on Monday, the tournament beginning promptly at 8 o'clock in the evening. A silver challenge cup, to be known as the "Aphine" cup, will be contested for in the team tournament. Entries will close for teams on Saturday, November 16th, and should be sent to M. C. Ebel, Secretary, National Association of Gardeners, Madison, N. J., before that time. The individual tournament will begin at 9 o'clock sharp on Tuesday morning. To be eligible in this tournament bowlers must be members of good standing in the N. A. G.

The president's cup, offered by President Thomas W. Logan, will go to the bowler making the greatest number of strikes during the tournament. There will be many other prizes offered, both for teams and individuals. For further particulars address the secretary of the association.

JOSEPH MANDA,
Chairman Com. on Bowling.

Cook County Florists' Bowling League. Scores October 16th:

ROSES.				VIOLETS.			
Goerisch,	139	161	186	A. H'b'r,	149	116	116
Kuntz,	132	143	100	Jacobs,	130	161	151
Price,	172	200	135	Cole,	168	118	162
Byers,	117	160	148	Schultz,	151	132	133
Fischer,	201	201	185	J. H'b'r,	178	192	176
CARNATIONS.				ORCHIDS.			
Lorman,	121	154	144	J. Zech,	139	188	146
Lieb'r'n,	161	150	156	Vilster,	110	105	120
Armst'g,	123	165	106	Cohen,	98	81	138
Brunko,	127	112	131	George,	119	176	156
A Zech,	158	201	130	Ross,	76	161	174

Several ladies are in attendance each night and an organization will be formed soon.

Secretary Lorman's report to date is made up this week and posted. It is interesting to lovers of the game. Fifteen games played so far with totals as follows:

Team	Won.	Lost.	Total Pins.	Average.	High Game.
Roses,	9	6	10818	721	3-15 865
Violets,	8	7	11146	734	1-15 807
Carnations,	7	8	10625	708	5-15 795
Orchids,	6	9	10608	707	13-15 805

High single team game: Roses, 865.
High team, three game average: Roses, 813.13.

Highest individual average: A. Fischer, 170.8-12.

Highest average man of each team to date: A. Fischer, 170.8-12; J. Huelner, 168.2-15; A. Zech, 164.2-15; Wm. Graff, 159.9-12.

Best individual single score: Wm. Graff, 213.

High individual three game average: A. Fischer, 195.2-3.

The Boston Co-operative Flower Market will have a banquet at the American House, Boston, on Saturday evening, October 26. There are some fine boys connected with this institution and a good time is assured. We congratulate them on their prosperity.

BEAUTIES

\$1.00 to \$4.00 per dozen
Specials \$30.00 per 100

Our Beauties are in splendid condition, large flowers of good color. An ample supply of all sizes.

Cattleyas and Gardenias

A steady supply every day all through the season.

Business Hours: 7 A. M.—8 P. M.

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner
12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR
FLORIST'S
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THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST. BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

HOERBER BROS.

Wholesale Growers of
Cut Flowers

WE GROW BRIDES

Greenhouses at
Des Plaines, Ill.

162 N. Wabash Ave.
CHICAGO, ILL.

POEHLMANN BROS. CO.

Cut Flowers All the Year Round

33-35-37 RANDOLPH STREET,

Greenhouses, Morton Grove, Ill.

CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES

	CINCINNATI October 15	DETROIT October 22	BUFFALO October 22	PITTSBURGH October 22
Am. Beauty, Fancy and Special....	15.00 to 25.00	20.00 to 25.00	15.00 to 20.00	25.00 to 30.00
" " Extra.....	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00	15.00 to 20.00
" " No. 1.....	6.00 to 10.00	10.00 to 15.00	6.00 to 10.00	8.00 to 10.00
" " Lower Grades.....	3.00 to 6.00	4.00 to 10.00	2.00 to 4.00	4.00 to 6.00
Killarney, Richmond, Maryland....	2.00 to 6.00	4.00 to 8.00	2.00 to 6.00	4.00 to 10.00
Bride, Maid.....	2.00 to 6.00	4.00 to 8.00	2.00 to 6.00	4.00 to 10.00
Hillingdon, Ward, Melody.....	2.00 to 6.00	4.00 to 8.00	2.00 to 6.00	4.00 to 10.00
Taft, Sunburst.....	2.00 to 6.00	4.00 to 8.00	2.00 to 6.00	4.00 to 10.00
Carnations.....	.50 to 2.00	1.00 to 3.00	1.00 to 2.50	1.50 to 2.50
Cattleyas.....	10.00 to 50.00	10.00 to 20.00	50.00 to 60.00	50.00 to 60.00
Lilies, Longiflorum.....	10.00 to 12.50	12.50 to 15.00	8.00 to 10.00	8.00 to 10.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Violets.....	10.00 to 25.00	10.00 to 25.00	15.00 to 20.00	15.00 to 20.00
Chrysanthemums, Fancy.....	8.00 to 15.00	10.00 to 25.00	8.00 to 12.00	6.00 to 12.00
" " Ordinary.....	..... to .....	..... to .....	..... to .....	.50 to 1.00
Daisies.....	..... to .25	..... to .....	..... to .....	..... to
Sweet Peas.....	..... to .....	..... to .....	..... to .....	..... to
Gardenias.....	..... to .....	..... to	20.00 to 25.00	..... to
Adiantum.....	..... to 1.00	1.00 to 1.50	1.00 to 1.25	1.00 to 1.25
Smilax.....	10.00 to 12.50	12.50 to 15.00	..... to 15.00	10.00 to 15.00
Asparagus Plumous, Strings (too)...	35.00 to 40.00	15.00 to 35.00	40.00 to 50.00	40.00 to 50.00
" " " Sprn. (too bchs.)...	25.00 to 35.00	15.00 to 35.00	25.00 to 35.00	40.00 to 60.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

CHICAGO CARNATION COMPANY

A. T. PYFER, Manager

30 East Randolph Street,

CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, **CHICAGO**

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

GEORGE B. HART

WHOLESALE FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone M-15 581. 316 Walnut St., Cincinnati.

Flower Market Reports

BOSTON "Very druggy" is the verdict this week on the cut flower situation. Of roses, chrysanthemums and carnations there seems to be no end and as to price, there is no bottom. The situation looks very unpropitious for the coming weeks, for even should the weather become inclement instead of summery as it now is, the crop will be there, regardless. There is some call for orchids, but no difficulty in satisfying same. American Beauty roses are away down and violets are a surfeit. Altogether, the present is one of the dullest weeks on record for the grower and wholesaler. The retail dealer seems to be pretty well satisfied, however.

BUFFALO Weather conditions are perfect for a good fall business and the past week found the trade a busy lot. Autumn weddings, store decorations and social affairs galore caused the merchant to be on the lookout for stock and there was enough of everything except chrysanthemums, of which the early varieties have about ended and the late ones are just coming on. Robt. Halliday, Pacific Supreme, Pride and others are coming on this week. Roses continue good and carnations and violets are improving each day, also the demand. Lily of the valley has a good call and lilies have been on the short side. Dahlias are still with us, also cosmos, but gladioli and asters have finally ended.

CHICAGO Stock is a little more plentiful than one week ago which does not mean that more could not be handled to advantage, especially as All Saints' Day always makes a heavy demand for shipping orders to the south. It is seldom at this season to see so few chrysanthemums on the counters, orders taking them almost as fast as they are unpacked. Some fine Chrysolora, a variety we mentioned last week, were seen and of splendid size and form. It seems to be the yellow needed to follow the early varieties. Tousset, Glory of the Pacific in both white and pink, and Virginia Poehlmann represent the bulk of the stock this week, though flowers are hardly in long enough to be noted. Prices are holding firm along all lines. Beauties are in excellent demand and stock is of best quality. Roses are easing up a little but the best grades of some are not equal to the demand. White Killarney were scarce in the best grades with many houses. Carnations are bringing in the money and the growers have no trouble in getting their prices. Dahlias and some gladioli are about all that are left of out-door flowers. Green is in active demand, helped along by the scarcity of flowers.

CINCINNATI The market for the past fortnight has experienced an inertia that was anything but gratifying. With the almost summer weather we



BONNAFFON

From present indications, by the time this advertisement appears, the first cuts of this superb, all-round Chrysanthemum will be in—splendid flowers, quality as good if not better than any we have had in previous years—an unlimited supply to draw from. \$15.00, \$20.00 and \$25.00 per 100.

POMPONS: All colors; \$3.00 to \$5.00 per doz. bunches, according to the size of the bunches.

VALLEY: Special, \$4.00 per 100; Extra, \$3.00 per 100.

CATTLEYS: \$6.00 per doz.; \$40.00 per 100.

HEADQUARTERS FOR GREENS

WILD SMILAX: \$5.00 per case.
GREEN GALAX: \$1.50 per 1,000; \$7.50 per 10,000.
BRONZE GALAX: \$1.00 per 1,000; \$6.00 per 10,000.
LEUCOTHOE SPRAYS (green): \$1.00 per 100; \$7.50 per 1,000.
GREEN SHEET MOSS: \$3.50 per bag.
SPHAGNUM MOSS: Ten bbl. bales, nicely burlapped, each, \$4.00; 5 bale lots, \$3.75 each; 10 bale lots, \$3.50 each; 25 bale lots, \$3.25 each.
DAGGER FERNS: \$1.50 per 1,000.

RIBBONS AND SUPPLIES: Many new patterns in exclusive Ribbons. Write us for prices on these and on Supplies.

S. S. Pennock-Meehan Co.

THE WHOLESALE PHILADELPHIA FLORISTS OF

PHILADELPHIA
1608-1620 Ludlow St.

NEW YORK
117 W. 28th St.

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON October 24	CHICAGO October 22	ST. LOUIS October 22	PHILA. October 22
Am. Beauty, Fancy and Special....	15.00 to 20.00	20.00 to 25.00	15.00 to 25.00	25.00 to 35.00
“ “ Extra	10.00 to 15.00	15.00 to 20.00	..... to 10.00	15.00 to 20.00
“ “ No. 1	6.00 to 8.00	10.00 to 15.00	..... to 8.00	8.00 to 12.50
“ “ Lower Grades	1.00 to 4.00	5.00 to 10.00	3.00 to 4.00	4.00 to 6.00
Killarney, Richmond, Maryland ...	.50 to 6.00	5.00 to 10.00	2.00 to 6.00	2.00 to 8.00
Bride, Maid .....	.50 to 4.00	5.00 to 8.00	2.00 to 4.00	..... to
Hillingdon, Ward, Melody .....	.50 to 6.00	5.00 to 10.00	3.00 to 6.00	2.00 to 8.00
Taft, Sunburst	1.00 to 6.00	5.00 to 8.00	4.00 to 8.00	4.00 to 12.00
Carnations .....	.75 to 1.50	1.50 to 4.00	1.00 to 2.00	1.00 to 3.00
Cattleyas	20.00 to 35.00	35.00 to 50.00	50.00 to 60.00	25.00 to 50.00
Lilies, Longiflorum ..	4.00 to 8.00	..... to 12.50	12.00 to 15.00	10.00 to 15.00
Lily of the Valley	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	1.00 to 4.00
Violets .....	.40 to .50	.75 to 1.00	.25 to .35	.35 to .75
Chrysanthemums, Fancy	12.00 to 25.00	25.00 to 35.00	15.00 to 25.00	20.00 to 30.00
“ “ Ordinary	4.00 to 8.00	15.00 to 20.00	8.00 to 10.00	5.00 to 15.00
Daisies .....	..... to	1.25 to 1.50	.50 to .75	.25 to .75
Sweet Peas .....	..... to .....	.75 to 1.00	..... to .....	.35 to .50
Gardenias	12.00 to 15.00	25.00 to 35.00	..... to ..	6.00 to 25.00
Adiantum .....	..... to 1.00	.75 to 1.00	1.00 to 1.25	1.00 to 1.50
Smilax	10.00 to 12.00	12.00 to 20.00	12.00 to 15.00	15.00 to 20.00
Asparagus Plumosus, Strings (100) ..	..... to 50.00	40.00 to 60.00	35.00 to 50.00	35.00 to 50.00
“ “ & Spren. (100 Bchs.) ..	25.00 to 50.00	35.00 to 50.00	15.00 to 25.00	..... to 50.00

have had the market took a turn for the worse. The demand was fairly steady, especially from out of town, but the supply was so overly large that in most cases it was absolutely impossible to realize a fair price for anything but the best stock. Chrysanthemums have up to this time been selling and clearing up the best of all. At this time of the year, however, it is hard to tell just how long this condition will continue. The supply is growing larger day by day and if they keep on increasing at the same rate they will reach a point where they cannot be used as fast as they come in. All other lines of stock are in a large supply, especially roses and carnations. Lily of the valley, orchids and sweet peas sell nicely. The call for gladioli and lilies is all that can be desired.

Single violets have been moving fairly well.

We have had two very busy weeks during which society weddings, some of them very elaborate, played a very important part. Roses are coming in very good and plentiful, but carnations are of very inferior quality. Chrysanthemums are slow in coming, especially as compared with a year ago, but their quality is much better. The demand for large varieties far exceeds the supply. Calls for flowering plants are increasing, but the local market offers very little in that line at present. The few cyclamens which are seen occasionally are good and find ready buyers.

Continued on 582

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Successor to
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Call and inspect the Best Establishment
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Simple methods of correct accounting
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Wholesale Commission Florist **SELLING AGENT FOR**
A full line of Choice Cut Flower Stock for all purposes. **LARGEST GROWERS**
by the 100, 1000 or 10,000 **The HOME OF THE LILY**
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CHOICE CUT FLOWERS
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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Tel. 759 Mad. Sq. 55 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Oct. 19 1912		First Half of Week beginning Oct. 21 1912	
American Beauty, Fancy and Special	8.00	to 20.00	10.00	to 20.00
" " Extra	6.00	to 8.00	6.00	to 8.00
" " No. 1	2.00	to 6.00	2.00	to 5.00
" " Lower Grades .....	.50	to 1.50	.50	to 1.50
Killarney, Richmond, Maryland .....	.50	to 4.00	.50	to 4.00
Bride, Maid .....	.50	to 4.00	.50	to 4.00
Hillingdon, Ward, Melody50	to 6.00	.50	to 6.00
Taft, Sunburst50	to 8.00	.50	to 8.00
Carnations50	to 2.00	.50	to 1.50

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 WHOLESALE COMMISSION FLORISTS
 Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH.

Flower Market Reports

(Continued from page 581)

NEW YORK The condition is certainly worse than last week which, is saying a whole lot, but complaints of bad trade are general and none of the retail stores are doing that amount of business which usually keeps them on the run at this time. The supply of all stocks continues far above the demand. Good American Beauty roses are little asked for, while Killarneys have sold well. Brides and Bridesmaids of fine substance and color are difficult to move. We still have some dahlias, also plenty of cosmos. Lilium longiflorum do not move at all. Carnations are fast improving and chrysanthemums continue to be very fine.

PHILADELPHIA Business picked up a little last week and on the whole the situation was fairly satisfactory. The weather remains warm, causing a large amount of outdoor stock which has a depressing effect on the market. Besides this, the indoor stock is also prolific—so that quite a large amount of the medium and lower grades of almost everything is hard to sell at anything like value. But this is not so with special and fancy grades of the choicer flowers, such as American Beauty and other roses, chrysanthemums, carnations, etc. Orchids are in fair supply and hold their own as to quality and price but the latter has not yet reached the figure which the grower regards as satisfactory. Lily of the valley is selling much better and violets are also in good demand; but the weather is against them—being much too warm for their keeping quality. Dahlias are still plentiful but the quality is beginning to go back a little. The greenhouse men are sitting up nights and sending prayerful petitions to Jack Frost. The dahlia men are also sitting up nights and making petitions—to Old Sol! Some of the growers can talk ice in five languages but on the other hand the Jersey man is a warm proposition. Really an interesting psychological contest and rather amusing to an onlooker with no leanings either way. The great old standby among the chrysanthemums is

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 AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
 SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
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 AT RETAIL.
 Ample reference furnished as to standing and financial ability of the company.
123 MANSFIELD STREET, MONTREAL, P. Q.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS		Last Half of Week ending Oct 19 1912		First Half of Week beginning Oct. 21 1912	
Cattleyas.....		20.00	to 40.00	20.00	to 40.00
Lilies, Longiflorum.....		3.00	to 4.00	3.00	to 4.00
Lily of the Valley.....		1.00	to 2.00	1.00	to 3.00
Violets.....		.15	to .30	.15	to .20
Chrysanthemums, Fancy.....		8.00	to 34.00	8.00	to 25.00
Ordinary.....		2.00	to 6.00	2.00	to 6.00
Daisies.....		1.00	to 2.00	1.00	to 2.00
Sweet Peas.....		1.00	to 2.00	1.00	to 2.00
Gardenias.....		4.00	to 25.00	4.00	to 15.00
Adiantum.....		1.00	to .50	1.00	to .50
Smilax.....		6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings (per 100).....		1.00	to 25.00	1.00	to 25.00
" " & Sprengeri (100 bunches).....		8.00	to 12.00	8.00	to 12.00

expected in a few days. There is no really good yellow at present. Some very nice pompons are to be seen around. Stroud's yellow "Overbrook" is one of the best.

WASHINGTON The frost last week diminished the supply of dahlias and cosmos but chrysanthemums are very plentiful and lessen the demand for all other flowers. Orchids are plentiful; supply exceeds the demand. Violets are far from being at their best as the weather is very warm again.

ST. LOUIS The local market here was very much overcrowded all during the last week, and prices took a big drop in all grades. One can get any amount of good roses. Violets are becoming more plentiful than ever but are not of as good quality as they will be later on. Carnations in all varieties and chrysanthemums are becoming more and more every day. Outdoor stock is holding up better than usual. This consists of cosmos, dahlias, tuberoses, etc. Lilies are not any too many for the demand.

INCORPORATED.

Indianapolis, Ind.—A. Wiegand's Sons' Co., florists, capital stock \$30,000. Incorporators, George B. Wiegand, H. L. Wiegand and C. R. Green.

Hamden, Conn.—Elms Pottery Co., capital stock \$10,000. Incorporators, Joseph C. Lippincott, Harry W. Austin and John P. O'Halloran.

St. Louis, Mo.—Windler Wholesale Floral Co., to carry on a general floral, florists' supply and commission business. Capital stock \$6,000. Albert J. Windler, Frank A. Windler, and Albert W. Gunz.

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Fine Quality of Brilliant Bronze and Green Galax, 40c. per 1000; \$3.00 per case of 10,000.

A-1 Dagger and Fancy Ferns, 75 cents per 1000.

Laurel Festooning, 4 cents per yard.

Bunch Laurel, 25 cents per bundle.

All other Evergreens at lowest prices.

Write, Wire or Telephone.

MILLINGTON FERN CO.
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Telegraph Station, New Salem, Mass.
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Fresh Ferns, Green Galax and Leucothoe Sprays NOW READY.

Fancy and Dagger Ferns, 1000, \$1.00; case of 5000, \$4.00.

Green Galax, 1000, 40c; case of 10,000, \$4.00.

Bronze Galax, case lots only, \$5.00.

Green Leucothoe, long, \$2.00 per 1000;

short, \$1.00 per 1000.

Our leaves are always put up nicely; they are gathered in the Black Mountains.

C. A. CARAWAY, Office, CELO, N. C.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000....\$1.75. 50,000....\$7.50. Sample free
 For sale by dealers

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Water hyacinths, the oddest, most beautiful and valuable plants; extra strong, in the finest condition; \$5.00-100, \$35.00-1000; second grade, \$3.00-100, \$18.00-1000. Blooming water hyacinths make leaders at 25c. retail. Cash, please. Texas Nursery & Floral Co., Box 178 Alvin, Tex.

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Asparagus Plumosus, 2 1/4 inch, 2c.; 3 inch, 3c. Sprengeri, 2 1/4 inch, 1 1/2c.; 3 inch, 2 1/2c. Hill Top Greenhouses, Utica, N. Y.

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Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

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Glory of Cincinnati.
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100,000 Berberis Thunbergii, from 6 in. to 2 1/2 ft., and new seed of same; also Clematis paniculata, 1, 2 and 3-yr. old, and new seed. Get my prices. Benj. Connell, Florist, Merchantville, N. J.

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Box Trees, all sizes. Ask for special list.

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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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Bulbs of all descriptions. Write for prices. C. Keur & Sons, Hillegom, Holland.
New York Branch, 31-33 Broadway.

CALLAS

Wm. Ehmann, Corfu, N. Y.

CANNAS

THE IMPROVED CANNAS.

You can double your profits by stocking up with the new cannas. Be sure to get our list before you place your order. The Conard & Jones Company, West Grove, Penna.

CAPE JASMINE

Cape Jasmine, fine cuttings, 8 inch and over, ready for rooting; 100 \$1.00, 1000 \$8.00, prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

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Kretschmar Bros., West Nyack, N. Y.
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Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.

Carnations, 700 Fair Maid, \$5.00 per 100. Wm. Capstick, Auburndale, Mass.

CARNATIONS—Continued

This stock has been kept pinched back all summer, no buds now in sight. A No. 1 stock.

Enchantress \$6.00, 100; \$50.00, 1000
Rose-pink 6.00, 100; 50.00, 1000
White Enchantress... 6.00, 100; 50.00, 1000
Red Lawson 6.00, 100; 50.00, 1000
T. W. Lawson 6.00, 100; 50.00, 1000

THE DANLEY GREENHOUSES,
MACOMB, ILLINOIS.

CHRYSANTHEMUMS

R. J. Irwin, New York, N. Y.

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Stock Plants, Smith's Advance 'Mums, 75c. per doz., \$5.00 per 100. Peirce Brothers, Waltham, Mass.

CHRYSANTHEMUM, THE. By A. Herrington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 160 pages. Price 50 cents.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

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20th Century Plant Food Co., Beverly, Mass.
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Thomas Roland, Nahant, Mass.
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R. J. Irwin, New York, N. Y.

Cyclamen, large plants, 3 inch, \$4.00 per 100. Hill Top Greenhouses, Utica, N. Y.

Cyclamens, 3-inch pots, \$10.00 per 100; \$80.00 per 1000. Julius Roehrs Co., Rutherford, N. J.

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Dahlias—2500 field clumps, latest varieties, cheap for cash; or want have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

DAISIES

Wm. Ehmann, Corfu, N. Y.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.

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Woodrow & Marketos, 41 West 28th St., New York.
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DOUBLE CLAW HAMMER

Double Claw Hammer Co., Brooklyn, N. Y.
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FERTILINE

Elmer D. Smith & Co., Adrian, Mich.
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FERTILIZERS

- Elmer D. Smith & Co., Adrian, Mich.
Fertiline.
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- 20th Century Plant Food Co., Beverly, Mass.
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- Wm. Elliott & Sons, 42 Vesey St., N. Y.
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- Stumpp & Walter Co., New York, N. Y.
Clay's Fertilizer.
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- Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.
Wizard Brand Cattle Manure.
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FERNS

- A. Leathy & Co., Roslindale, Mass.
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- H. H. Barrows & Son, Whitman, Mass.
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- John Scott, Brooklyn, N. Y.
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- Robert Craig Co., Philadelphia, Pa.
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- Frank Oechslein, 4911 Quincy St., Chicago.
Ferns for Dishes.
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- R. J. Irwin, New York, N. Y.
- F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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Adiantum cuneatum clumps, will divide
to make 4 to 6 plants, \$12.00 per 100.
Wm. Capstick, Auburndale, Mass.

Fern runners, fine stock Boston, Whit-
man, Amerpohl, Springfield, \$1.80 per
100, \$15.00 per 1000. Roosevelt runners,
very fine, \$6.00 per 100, \$50.00 per 1000.
Roosevelt, 4-inch, \$15.00 per 100, 5-inch,
\$25.00 per 100, Asparagus Plumosus, 4-
inch, handsome stock, \$8.00 per 100, 50,000
sq. ft. of glass at Cleveland, O., devoted
exclusively to ferns. I have the best stock
to be had anywhere. Prices are low, for
cash only. Schneider, Florist, Springfield,
O.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
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FLORISTS' SUPPLIES

- N. F. McCarthy & Co., 112 Arch St.,
Boston.
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- H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
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- M. Rice & Co., 1220 Race St., Phila., Pa.
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- Reed & Keller, 122 W. 25th St., New York.
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- S. S. Pennock-Meehan Co., Philadelphia,
Pa.
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- H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.
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- Welch Bros. Co., 226 Devonshire St.
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FLOWER POTS.

- W. H. Ernest, 28th and M Sts.,
Washington, D. C.
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- A. H. Hews & Co., Cambridge, Mass.
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- Hilfinger Bros., Ft. Edward, N. Y.
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- Syracuse Pottery Co., Syracuse, N. Y.
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FORGET-ME-NOTS

Forget-me-nots from greenhouse grown
seed, sure for Christmas; strong 2½-in.
plants, extra early, continuous bloomer,
\$2.50 per 100; \$20.00 per 1000. Cash.
B. B. Pohlmann, 645 Chapin, Rockford, Ill.

FREESIAS

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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FUNGINE

Aphine Mfg. Co., Madison, N. J.
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GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
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Kervan Co., New York.

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Millington Fern Co., Millington, Mass.
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GERANIUMS

R. Vincent, Jr., & Sons Co., White Marsh,
Maryland.
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NEW GERANIUM "HELEN MICHELL."
The best clear scarlet Bedding Geranium
ever offered. See Adv., page 384. 2½ in.
plants (ready from January, 1913), \$2.50
per doz.; 100, \$15.00; \$125.00 per 1000.
Orders Booked Now.

MICHELL'S SEED HOUSE,
Philadelphia, Pa.

GLADIOLUS

John Lewis Childs, Flowerfield, N. Y.
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Independence, light scarlet, fine for
florists and shipping. 1½ in. up, \$2.50;
1 in., \$2.00; ¾ in., \$1.75; ½ in., \$1.25 per
100. Bulblets, 50c. per 1000. Clark W.
Brown, Ashland, Mass.

GLASS

Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.
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Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.
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Parshelsky Bros., inc., 215-217 Havermeyer
St., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH

Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish foods, nets,
etc., wholesale. Franklin Barrett, breeder,
4815 D St., Olney, Philadelphia, Pa. Large
breeding pairs for sale. Send for price list.

GREENHOUSE BUILDING MATERIAL

- A. T. Stearns Lumber Co., Neponset,
Boston.
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- King Construction Co., N. Tonawanda, N. Y.
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- Metropolitan Material Co., Brooklyn, N. Y.
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- Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
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- Frank Van Assche, Jersey City, N. J.
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- S. Jacobs & Sons, Brooklyn, N. Y.
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- V. E. Reich, Brooklyn, N. Y.
Lord & Burnham Co.,
1133 Broadway, New York.
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- GREENHOUSE CONSTRUCTION**
Foley Mfg. Co., Chicago.
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- King Construction Co., N. Tonawanda, N. Y.
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- Charles H. Dodd, Jersey City, N. J.
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- Wm. H. Lutton, Jersey City, N. J.
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- Metropolitan Material Co., Brooklyn, N. Y.
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- Frank Van Assche, Jersey City, N. J.
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- Lord & Burnham Co.,
1133 Broadway, New York.
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- Pierson U-Bar Co., Madison Ave., New York.
Designer and Builder.
- Hitchings & Co., 1170 Broadway, N. Y.

GUTTERS

- King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.
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- Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.
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HAIL INSURANCE

Florists' Hall Assn. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange.
38 and 40 Broadway, Detroit, Mich.
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The Kervan Co., New York.
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Millington Fern Co., Millington, Mass.
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HEATING APPARATUS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Chas. H. Dodd, Jersey City, N. J.
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Lord & Burnham Co.,
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E. S. Miller, Wading River, N. Y.
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P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Bobbink & Atkins, Rutherford, N. J.
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H. A. Dreer, Philadelphia, Pa.
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Parshelsky Bros., Brooklyn, N. Y.
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V. E. Reich, Brooklyn, N. Y.
Double Glass.

Lord & Burnham Co., 1133 Broadway, N. Y.
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INSECTICIDES

- Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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- Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
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- Lemon Oil Co., Baltimore, Md.
Standard Insecticide.
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In writing to Advertisers kindly mention Horticulture

INSECTICIDES—Continued

Interstate Tobacco Co., New York, N. Y.
"Tip Top" Tobacco Powder.
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Benjamin Hammond, Fishkill-on-Hudson,
N. Y.
Slug Shot.
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Kentucky Tobacco Product Co.,
Louisville, Ky.
Nico-Fume.

IRIS

GERMAN IRIS.
FLORENTINE (slate white), CELESTE
(lavender), FAIRY (white), SPECIOSA
(purple), DALMATICA (pale blue).
SIBERIAN IRIS.
WHITE BLUE (type), BLUE ORIEN-
TALIS, WHITE ORIENTALIS (Snow
Queen). Dozens, hundreds, thousands.
Write wants.
O. H. DICKINSON, SPRINGFIELD, MASS.

JAPANESE LILIES

Loechner & Co., New York, N. Y.
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LEMON OIL

Lemon Oil Co., Baltimore, Md.
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LILY BULBS

R. & J. Farquhar & Co., Boston, Mass.
New Lilies.
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Jas. Vick's Sons, Rochester, N. Y.
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R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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McHutchison & Co., 17 Murray St., N. Y.
Berlin Valley Pips.
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F. O. Pierce Co., New York, N. Y.
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Joseph Breck & Sons, Boston, Mass.
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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W. & T. Smith Co., Geneva, N. Y.
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Bay State Nurseries North Abington, Mass.
Hardy, Northern Grown Stock.
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Bobbink & Atkins, Rutherford, N. J.
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W. B. Whittier & Co., South Framingham,
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P. Hamilton Goodsell, New York, N. Y.
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McHutchison & Co., 17 Murray St., N. Y.
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August Roelker & Sons, 31 Barclay St., N. Y.
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Fursts' Nurseries, Brussels, Belgium.
Send for Catalogue.
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NURSERY STOCK—Continued

John Waterer & Sons, Ltd., Bagshot, Eng.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

SHRUBBERY.

There are bargains to be had here in
such varieties as Spireas, Altheas, Weigelas
and Philadelphus, and this names only a
few. We have acres of shrubs, well grown
and ready for you. Write for price list.
The Conard & Jones Company, West Grove,
Penna.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Hybrid Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

ORCHID GROWERS' MANUAL.

By B. S. Williams, 300 illustrations, 800
pages; descriptions of upwards of 2500
species and varieties of orchidaceous
plants, etc. The most complete work on
Orchids and Orchid Culture ever pub-
lished. Price \$10.00.

Orders filled by HORTICULTURE, 11
Hamilton Place, Boston.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries,
Rosindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Robert Craig Co., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Joseph Heacock, Wyncote, Pa.
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Loechner & Co., New York, N. Y.
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August Rolker & Son, 31 Barclay St., N. Y.
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PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

J. H. Sprague, Barnegat, N. J.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

Peonies. The world's greatest collection,
1200 sorts. Send for list. C. Betscher,
Canal Dover, O.

PHOENIX ROEBELINII

F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.
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PLANT AND BULB IMPORTS

August Roelker & Sons, New York, N. Y.
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McHutchison & Co., 17 Murray St., N. Y.
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PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

Plant Trellises and Stakes. P. A. Angler
& Co., Westboro, Mass.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.

Kroeschell Bros. Co., 466 Erie St., Chicago.

POINSETTIAS

A. Henderson & Co., Chicago, Ill.
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S. S. Skidelsky, Philadelphia, Pa.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIMULAS

Malachoides, strong 3½ in., ready for
5 in., \$7.00 per 100. Israel Quint, 125 Wal-
nut Ave., Roxbury, Mass.

Primroses, Chinese and Obconica, fine
large plants, 2¼ inch, \$1.50 per 100; 3
inch, \$2.50 per 100. Hill Top Greenhouses,
Utica, N. Y.

PRIVET

Franklin Davis Nursery Co., Baltimore, Md.
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RAFFIA

McHutchison & Co., 17 Murray St., N. Y.
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REFRIGERATORS FOR FLORISTS

McCray Refrigerator Co., Kendallville, Ind.
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P. Ouwerkerk, Hoboken, N. J.
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Bobbink & Atkins, Rutherford, N. J.
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RIBBONS AND CHIFFONS

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Robert Craig Co., Philadelphia, Pa.
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American Grown Roses.
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Wood Bros., Fishkill, N. Y.
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M. H. Walsh, Woods Hole, Mass.
Rambler Roses for Forcing.

RUBBER TREES

Godfrey Aschmann, Philadelphia, Pa.
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Leonard Seed Co., Chicago, Ill.
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Everett B. Clark Seed Co., Milford, Conn.
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Braslan Seed Growers Co., San Jose, Cal

SEEDS

Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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Michell's Seed House, Philadelphia, Pa.
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W. Atlee Burpee & Co., Philadelphia, Pa.
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R. & J. Farquhar & Co., Boston, Mass.
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Peas, Beans, Radish and all Garden Seeds.
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Arthur T. Boddington, New York.
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J. Bolgiano & Son, Baltimore, Md.
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The Haven Seed Co., Santa Ana, Cal.
Tomato Seed.
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James Vick's Sons, Rochester, N. Y.
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S. Bryson Ayres Co., Independence, Mo.
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Weeber & Don, New York, N. Y.
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Lochner & Co., New York, N. Y.
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B. Hammond, Fishkill-on-Hudson, N. Y.
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SPHAGNUM MOSS

J. H. Sprague, Barnegat, N. J.
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Sphagnum Moss, large bales. Green Moss in bbls. Laurel Bunches and Broken Laurel. James Day, Milford, N. H.

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

STOVE PLANTS

Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

TIP TOP TOBACCO POWDER

Interstate Tobacco Co., Inc., 1397-1399 Ave. A, New York, N. Y.
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VENTILATING APPARATUS

Foley Mfg. Co., Chicago.

The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
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Quaker City Machine Works,
Richmond, Ind.
20th Century Arm.
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VINCAS

Vinca Minor, or grave myrtle, a hardy evergreen trailing plant particularly adapted to covering graves. It is a beautiful dark green, thrives as well in dense shade as in the sun. I have thousands of well rooted outdoor grown plants and rooted runners, \$5.00 per 1000. Samples free by mail. C. M. Webb, Fayetteville, Tenn.

VIOLETS

Violets, Prince of Wales, strong, healthy, field plants, \$6.00 per 100; \$55.00 per 1000. Charles Lenker, Freeport, L. I., N. Y.

PRINCESS OF WALES VIOLETS.

Strong, field-grown plants, \$5.00 per 100. J. W. TULLOCH, Danvers, Massachusetts.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
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Chicago Carnation Co., 30 E. Randolph St.
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Michigan Cut Flower Exchange, 38 and 40 Broadway.
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Montreal Floral Co., Ltd., Montreal, P. Q.
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E. C. Horan, 55 W. 28th St., New York.
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A. H. Langjahr, 130 W. 28th St., New York.
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James McManus, 55 W. 28th St., New York.
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W. F. Sheridan, 133 W. 28th St., New York.
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Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
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Charles Millang, 55 and 57 West 26th St., New York.
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P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schneck, New York, N. Y.
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Frank Millang, 55-57 West 26th St.
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Badgley, Riedel & Meyer, Inc., New York.
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Woodrow & Marketos, 41 West 28th St.
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Henry M. Robinson Co., New York, N. Y.
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J. K. Allen, New York, N. Y.
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A. L. Young & Co., New York, N. Y.
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Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
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The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.
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Rochester

George B. Hart, 24 Stone St.
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New Offers In This Issue**BONNAFFON CHRYSANTHEMUMS.**

S. S. Pennock-Meehan Co., Phila., Pa.
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CYCLAMEN PLANTS.

Bergenfield Nurseries, Bergenfield, N. J.
For page see List of Advertisers.

FERNS, GALAX, LEUCOTHOE SPRAYS.

C. A. Caraway, Celo, N. C.
For page see List of Advertisers.

FIBRE BASKETS.

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FUCHSIAS, COLEUS.

R. Vincent, Jr., & Sons Co., White Marsh, Md.
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GLADIOLI.

A. Henderson & Co., Chicago, Ill.
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NEW CROP ENGLISH MUSHROOM SPAWN.

Weeber & Don, New York, N. Y.
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PECKY CYPRESS.

Foley Mfg. Co., Chicago, Ill.
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SHAMROCK SEED.

Thomas J. Grey Co., Boston, Mass.
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VIOLETS (Flowers).

L. P. Schaeffer, Barrytown, N. Y.
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WHOLESALE FLOWER GROWERS.

Hoeber Bros., Chicago, Ill.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

FOR "POT LUCK" TRY US... HEWS STANDARD POT'S

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS
**Pearson Street
LONG ISLAND CITY, N. Y.**
A. H. HEWS & CO., Inc.
**Main Office and Factories
CAMBRIDGE, MASS.**
PUBLICATIONS RECEIVED.

Holiday time is fast approaching and the question of suitable gifts for one's family and friends will soon demand attention. As a broadly general statement, it may be said that a well-selected book is always an acceptable gift, at once entertaining and instructive. Our readers will want something besides strictly horticultural books for this purpose and so we take the liberty of introducing them to a set just published by the well-known Boston house of L. C. Page & Co., which in diversity of character will furnish a selection for a variety of ages and tastes and are all beautiful products of the printers', engravers' and bookbinders' art.

Mary Ware's Promised Land, by Annie Fellows Johnston.—A most entertaining story by a most entertaining author. The route to the "promised land" which is traversed in its chapters is one that young lady readers will find a veritable enchanted country. \$1.50 net.

The Chronicles of Quincy Adams Sawyer, Detective, by Charles Felton Pidgin.—Here is a book that will make the boys "sit up and take notice." Full of mysterious affairs and melodramatic situations. Of engrossing interest from the first to the last chapter. Price net, \$1.25; prepaid, \$1.40.

The Pioneer Boys of the Great Lakes. An engrossing tale for boys of the "Indian story" age. By Harrison Adams, illustrated by Charles Livingston Bull. Not only the boys but some of our older readers will enjoy this thrilling narrative of adventure on the trail of the Iroquois. Price \$1.25 net.

Jack Lorimer, Freshman, by Winn Standish. One more book in the popular "Jack Lorimer" series, by Harold J. Cue. A story of college life that the youthful reader will enjoy. It is full of the characteristic love for adventure, exhilaration and rollicking fun, and will be read with avidity by both boys and girls of seminary age. 300 pages; price \$1.50 net.

The Grand Opera Singers of Today, by Henry C. Lahee.—The author is a painstaking researcher and in this volume he has given a fine collation of facts about all the most famous singers of today, including those of the rising singers whose history is likely to be of interest to the public. It is correct in its data and will be read with pleasure by music lovers. There are forty-eight full-page plates in duo-

**1000 READY PACKED CRATES
STANDARD FLOWER POT'S AND BULB PANS**

can be shipped at an hour's notice. Price per crate:

2000 1 1/4 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	450 4 1/2 " " 5.24
1500 2 1/4 " " 5.25	320 5 " " 4.51
1500 2 1/2 " " 6.00	210 5 1/2 " " 3.78
1000 3 " " 5.00	144 6 " " 3.16
800 3 1/4 " " 5.80	120 7 " " 4.20
	60 8 " " 3.00

HILFINGER BROS., Pottery, Fort Edward, N. Y.
August Rölker & Sons, 31 Barclay St., N. Y. City, Agents

OUR SPECIALTY—Long Distance and export trade

Syracuse Red Pots

With new and improved machinery, we can supply your wants to better advantage than ever.

Special discounts on large orders.
Syracuse Pottery Co., SYRACUSE N. Y.

graveure. Price \$2.50 net; \$2.70, postage prepaid.

The Raphael Book, by Frank Roy Fraprie. This is an account of the life of the great painter, and his place in the development of art, together with a description of his paintings and frescos. There are fifty-four illustrations of the most noted works of Raphael preserved in the European galleries, several of these being reproductions in colors. The florist who makes a study of art in its best sense will find much in this book to interest him and the time will not be wasted. Publisher's price \$2.50 net.

The Romantic Story of the Puritan Fathers, by Albert Christoph Addison. In his address at Provincetown, Mass., in 1909, Ex-President Roosevelt said: "The Puritans' task was to conquer a continent; not merely to overrun it, but to settle it, to till it, to build upon it a high industrial and social life; and, while engaged in the rough work of taming the shaggy wilderness, at that very time also to lay deep the immovable foundations of our American system of civil, political and religious liberty achieved through the orderly process of law." How the Puritans went about it, the quaint and humorous as well as the serious phases of their career and its influence upon New England history and upon New England character are, in this book, graphically recounted. We have noticed, invariably, among the many floricultural visitors to Boston how deeply all are interested in the ancient landmarks of the town and the stirring records of its early days, preserved in legend and poetry. From this fact we conclude that the book in question will find a warm welcome among the readers of HORTICULTURE. There are some seventy illustrations of scenes in Old Boston, England; Boston, Mass., and vicinity; portraits, etc. The price of this book is \$2.50 net.


DREER'S

Florist Specialties,
New Brand. New Style.
Hose "RIVERTON"
Furnished in lengths up
to 500 ft. without seam or
joint.

The NOSE for the FLORIST
3/4-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
1/2-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.
Couplings furnished
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts. Washington, D. C.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED: experienced man to take charge of fruit houses. Good wages to capable grower. "K. Y." care HORTICULTURE.

ASSISTANT FLORIST, experienced in growing pot plants. Scotch or English preferred. Give references. 190, care HORTICULTURE.

ROSE GROWER, thoroughly experienced with American Beauties. Good wages and extras. 193, care HORTICULTURE.

SITUATIONS WANTED

WANTED—Position in small, private place. Gardening, hostler, dairy and general work. Sober, industrious. Address "T. J." care HORTICULTURE.

SITUATION WANTED as head gardener; 15 years' experience inside and out; married, no children. Best references. F. T., care HORTICULTURE.

SALESMAN and decorator, 14 years' experience in city retail trade; 29 years of age; good worker; best references. Give full particulars in first letter. 192, care HORTICULTURE.

FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Parsbelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE; several thousand feet of double thick greenhouse glass 16 x 15, second hand, clean and good as new; also one thousand feet 4 in. cast iron pipe and one Hitchings No. 8-16 greenhouse boiler, very low price for cash and immediate delivery. F. E. Palmer, Brookline, Mass.

WANTED TO RENT

TO RENT—On account of death an old established place of 5 houses, 11,000 feet of glass, is on the market to rent. Fully equipped. 191, care HORTICULTURE.

PULVERIZED OR SHREDDED

CATTLE MANURE

Pure, Dry, Safe and Reliable

The best of all manures for Roses. Clean, convenient and economical for top-dressing and mulching. Unequalled for potting soil.

THE PULVERIZED MANURE CO., - - 31 Union Stock Yards, CHICAGO



PULVERIZED

SHEEP MANURE

There is a reason why Wizard Brand Sheep Manure is more extensively used by Florists than any other:—Best for Carnations and Chrysanthemums—Best for making bench soil—liquid manuring—and field work. Ask for our Growers' Booklet and know why Wizard Brand leads.



NO ODOR NO POISON

Guaranteed under the Insecticide Act, 1910. Serial No. 321
Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, etc. without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/4 Pint - - 25c; Pint - - 40c; Quart - - 75c
1/2 Gallon, \$1.25; Gallon, \$2.00; 5 Gallon Can, \$9
10 Gallon Can - - \$17.50

Dilute with water 30 to 50 parts

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct

Lemon Oil Company Dept. K
420 W. Lexington St., Baltimore, Md.
Directions on every package

Imp Soap Spray
Effective one to thirty-two.
Single gallons, \$1.50
Eastern Chemical Company
BOSTON

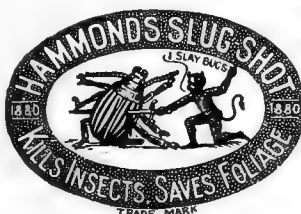
READ THIS

You will need to buy something this fall—stock, supplies, equipment, etc., for store or greenhouse. Look through the Buyers' Directory and List of Advertisers in this paper and you'll probably find what you want listed there. We are proud of the fact that HORTICULTURE is recognized as the best paper of its class in this country in quality of reading matter and also of the fact that it is coming to be acknowledged as the best advertising medium. The best friends of HORTICULTURE are those who buy from HORTICULTURE'S advertisers whenever possible and, in corresponding with the dealers always take the trifling trouble to refer to the paper. We have many such friends, otherwise our advertising columns would soon be deserted. Don't forget to do your part.

CLAYS FERTILIZER

112 lb. bag, \$5.50 56 lb. bag, \$3.00 28 lb. bag, \$1.75

Stumpp & Walter Co., 50 Barclay St., N. Y.



SLUG-SHOT

USED FROM OCEAN TO OCEAN FOR 29 YEARS.

Sold by Seed Dealers of America.

Saves Currants, Potatoes, Cabbage, Melons, Flowers, Trees and Shrubs from Insects. Put up in popular packages at popular prices. Write for free pamphlet on Bugs and Blights, etc., to B. HAMMOND, - Fishkill-on-Hudson, New York.

STERILIZED Sheep Manure

For All Purposes

\$1.50 100 lbs., 1 Ton \$26

Wm. Elliott & Sons

42 VESEY ST., NEW YORK

Established 1845.

Green Flies and Black Flies Too are easy to kill with

"TIP-TOP" BRAND

Tobacco Powder

For fumigating or dusting. \$3.00 per bag, 100 lbs. Write for free samples. Money with order.

Interstate Tobacco Co., Inc.

1397-1399 Ave. A, NEW YORK

Money refunded if not satisfied. Beware of imitations. Territory open for live jobbers. Write for prices.

Cocanut Fibre Soil

Is being used more and more in the greenhouse and for covering lawns from September to frost. Keep it in stock, it is a seller.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST., BEVERLY, MASS.



The Recognized Standard Insecticide. Not a cure-all but a specific remedy for all sap sucking insects infesting plant life such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Does not stain the foliage.

75c. per Quart. \$2.00 per Gallon.

VERMINE
A soil sterilizer and germicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used one part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN.

Aphine Manufacturing Co., Madison, N. J.

Manufacturers of Agricultural Chemicals

M. C. EBEL, General Manager.

FERTILENE

THE IDEAL PLANT FOOD.

Unequalled for Producing Lusty

CHRYSANTHEMUM BLOOMS

Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. Sample packets of one-half pound mailed for 30c. Sample packets of one pound mailed for 50c.

ELMER D. SMITH & CO., ADRIAN, MICH.

In writing to Advertisers kindly mention Horticulture

GREENHOUSES BUILDING OR CONTEMPLATED.

Tampico, Ill.—Fred Shanks, house 12 x 24.

Spokane, Wash. — Patrick Leavey, one house.

Wayne, Pa. — Robert Le Boutiller, one house.

Indiana, Pa. — Indiana Floral Co., two houses.

Cameron, Mo.—Ralph Ward, one vegetable house.

Washington, N. J.—Alonzo J. Bryan, range of houses.

Milwaukee, Wis.—Gustave Baerman, range of houses.

Cincinnati, O.—John Kilgour, Read street, one house.

Dayton, O.—National Cash Register Co., four houses each 11 x 72.

Middleboro, Mass.—Kneeland Carnation Company, one house.

Kansas City, Mo.—R. S. Brown & Son, two houses each 20 x 110.

Milwaukee, Wis.—Henry Kremmer, 1265 Hopkins street, one house.

Los Angeles, Cal.—H. N. Gage, 534 South Broadway, lath house 100 x 360.

Jackson, Mich.—Clara Brown & Co., 186 West Main street, two houses each 16 x 100.

Memphis, Tenn.—Otto Schwill Co., 20 South Front street, greenhouses and store.

Springfield, Ill.—Bell Miller, First and Canedy streets, two greenhouses, office and salesroom.

Cleveland, O.—Buckhart Bros., addition. Robert Addicott & Son, 480 Hayden avenue, house 20 x 250.

Portland, Ore. — J. E. Young, one vegetable house. E. Dungey, Seventieth and East Morrison streets, three houses, 20 x 60 each.

Minneapolis, Minn.—O. A., E. E. and Julius Vasatka, 4315-21 Chicago avenue, greenhouse and office building. Hiawatha Gardens Co., University avenue, S. E., greenhouse 40 x 190, also office building.

Easthampton, Mass.—Thomas Copson has purchased the greenhouses of S. S. Hitchcock on School street. He will remove them to his own property on Chapman avenue and grow stock for the local trade this winter.

ALL OVER THE UNITED STATES



KING GREENHOUSES

ALL KINDS
KING IRON FRAME
KING SEMI IRON FRAME
KING FLAT RAFTER TYPE
KING CONSERVATORIES

WE HAVE THE EQUIPMENT, ABILITY, EXPERIENCE AND INCLINATION TO GIVE YOU THE BEST OF SERVICE IN ANY KIND OF GREENHOUSE PROJECT.

Try us, and let us figure with you

KING CONSTRUCTION CO.

Head Office & Works
N. TONAWANDA, N.Y.

Eastern Sales Office
1181 Broadway, NEW YORK
Boston Office, Winthrop Building, 7 Water St., Boston, Mass.

STRIKE **LIFT** **DRIVE**

GREAT for HIGH NAILING

Pulls the nail out straight and easy. This is important in hot houses.
16 or 21 oz. Head.

Cheapest and handiest hammer ever made, when you consider what it will do. Costs three times more to make—but. At your dealer's or from us, delivery prepaid.

RETAIL \$1.00

DOUBLE CLAW HAMMER CO.

453 BROADWAY
BROOKLYN
N. Y.

START **OUT** **FINISH**

MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Greenhouse Materials FURNISHED AND ERECTED

IRON or WOOD SASH BARS

In all lengths up to 32 feet.
Milled to any detail furnished or will furnish details and cut materials ready for erection.

Frank Van Assche, Fulton Ave., Rose Ave.
and Dwight Street
JERSEY CITY, N. J.

Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

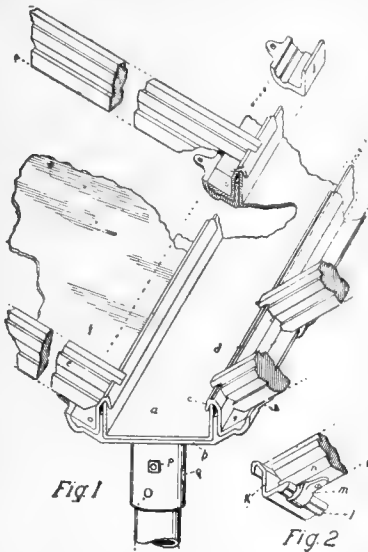
FULL SIZE No 2

CHARLES H. DODD

Greenhouse Builder. General Greenhouse Mechanic.
Iron Frame and Wood Bar Houses.
Ideal Greenhouse Bolders.
Materials Furnished or Erected. Heating and Ventilating Materials.

578 Ocean Ave., JERSEY CITY, N. J.

**Metropolitan Patent
IRON GUTTER**

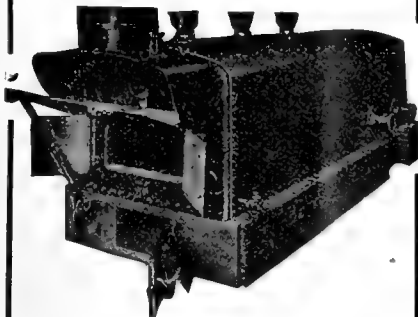


One of the features of this Gutter is that it can be put up in wrought iron any lengths (without boring holes), by bolting the Gutter together and screwing clip to the roof bars, for any size glass.

Metropolitan Material Company
1398-1408 Metropolitan Avenue
BROOKLYN, NEW YORK

**KROESCHELL
BOILER**

SEND FOR CATALOGUE



KROESCHELL BROS. CO.
466 W. Erie St., Chicago, Ill.



**SPECIFY
Advance Ventilating
Apparatus**

when ordering your building material. Our machines have satisfied the most critical users and will continue to do so.

Remember that we absolutely guarantee our apparatus to give perfect satisfaction.

We want you to have our catalog. Send us your name and address and we will forward one at once.

ADVANCE CO., - Richmond, Ind.

Pecky Cypress

THE IDEAL BENCH LUMBER

Any width from 4 in. to 12 in. Any length from 6 ft. to 20 ft. One and two inches thick, rough or dressed. Also

HEART CYPRESS POSTS

4 by 5 in. and 5 by 5 in. Car loads or less.

Best Quality. Low price

THE FOLEY MFG. COMPANY

Western Ave. 25th to 26th St., Chicago
NEW YORK, St. James Bldg. PHILADELPHIA, West End Trust Bldg.

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

GLASS

for GREENHOUSE and HOT BED SASHES. Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.
215-217 Havemeyer St., Brooklyn, N. Y.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.



Evans 20th Century Arm

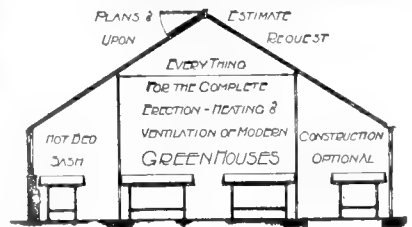
Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

Write for free Catalogue to

QUAKER CITY MACHINE CO.
Richmond, Ind.

When writing to advertisers kindly mention **HORTICULTURE**.

S. JACOBS & SONS



1359-1385 Flushing Ave.
BROOKLYN, - - - N. Y.

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Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Thirty years active service.

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
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WROUGHT IRON PIPE FOR SALE

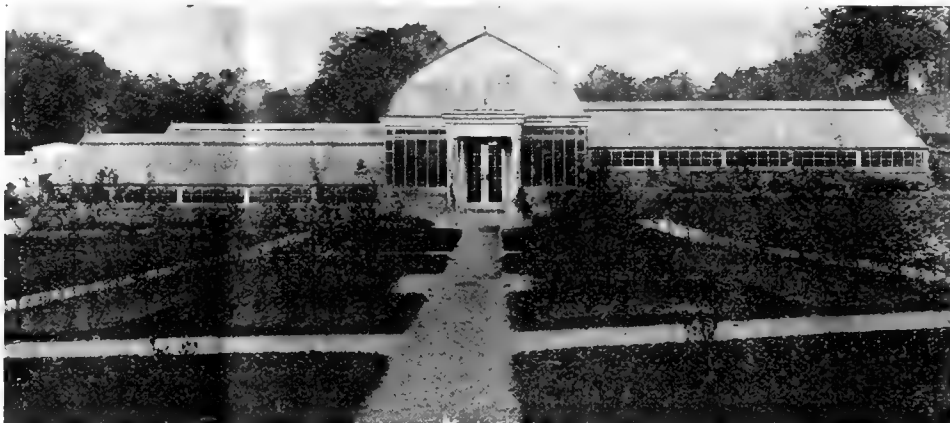
Re-threaded, thoroughly overhauled, in random lengths, guaranteed free from splits or holes.

It will pay you to communicate with us.

ALBERT & DAVIDSON

217-23 Union Avenue Brooklyn, N. Y.

THE FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of 32,500,000 sq. ft. of glass
For particulars address
John G. Esler, Sec'y Saddle River, N.J.



ERECTED AT RIVERDALE, N. Y.

For Quicker Deliveries

TO get a greenhouse job to do is one thing—to get the job done when you want it done is quite another thing. If you are in a hurry for your house, we are in just as much of a hurry as you are. Never in our half a century and more of business have we been turning out houses with such speed. Our Des Plaines factory is a new one—up-to-date in every particular.

The entire Irvington factory has practically been rebuilt and modernized. The handling of the work more carefully systematized.

All this is telling, and telling big, in both the speed and quality of our work.

If you want the best of work, and quickest work possible—you want us. Write at once and let's get things started.

Factories: IRVINGTON, N. Y. DES PLAINES, ILL.

SALES OFFICES

Lord & Burnham Co.,

NEW YORK
St. James Bldg.

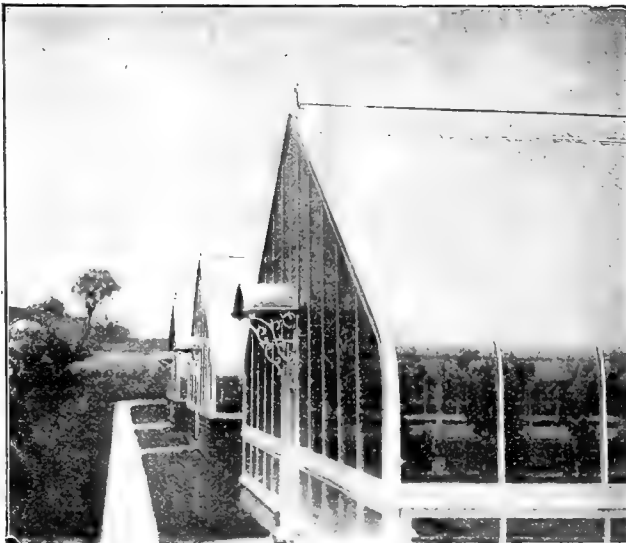
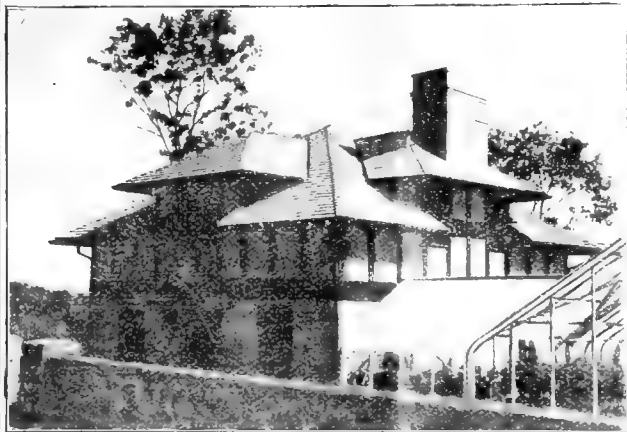
BOSTON
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PHILADELPHIA
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Rookery Bldg.

The **SERVICE BUILDING** is usually a source of great annoyance to the up-to-date gardener and it requires architectural ability to design appropriate **Potting Houses** that will add to the attractiveness of the Greenhouses. You will admit that this **SERVICE BUILDING** is unusually attractive. Its Old English Architecture is along the same lines as other buildings on this large estate; it is equipped with all modern improvements for the comfort of the gardener and his assistants and the connecting house, sixteen feet long (ample for Propagating purposes), prevents the shading of adjoining houses.

Will be glad to talk to you on the **SERVICE BUILDING**.



ERECTED AT BRIDGEPORT, CONN.

THE BEAUTIFUL SYMMETRY of lines ONLY secured in THE LUTTON PATENTED CURVED EAVE IRON FRAME HOUSE is easily distinguishable. It is the ARTISTIC application to the small details that commands the attention of the most CRITICAL.

JUST note the construction of the HOOD over doorway. ITS SIMPLICITY and how IT HARMONIZES with the general appearance of the construction. THAT is only one of the details. Throughout the entire arrangement the same original mechanical ability is employed. THEN again this construction is patented, UNITED STATES PATENT NO. 902,155. A POSITIVE ASSURANCE of receiving the genuine successful CURVED EAVE. Write for more particulars.

WILLIAM H. LUTTON

West Side Avenue Station
JERSEY CITY, N. J.

HORTICULTURE

Vol. XVI. NOVEMBER 2, 1912 No. 18



A DAHLIA WALK

A rather novel adaptation of the dahlia is well shown in the accompanying picture, reproduced from a photograph taken in the garden of A. L. White, at Hayden Lake, Idaho. The dahlias were all grown from Dreer tubers, one hundred fifty-eight varieties being represented.

*Devoted to the
FLORIST, PLANTSMAN,
LANDSCAPE GARDENER
and
Kindred Interests*

*Published
EVERY SATURDAY
At 11 Hamilton Place
BOSTON, MASS
Subscription,*



NEW SHAPE PLANT or FLOWER BASKETS

Made of reed, a handsome design, finished in "Our" famous Antique Bronze — a Green shading to Gold. This color combination is very unique.

No.	Diameter	Height	Price each
942-3	10 in.	10¼ in.	\$1.50
942-4	12 "	11¼ "	2.00
942-5	14 "	12¼ "	2.50

Our "Willing Helper" Katalog's business is to show you more about baskets, supplies and ribbons. **WRITE TODAY**

M. RICE & CO., 1220 Race Street, PHILA., PA.

THE LEADING FLORISTS' SUPPLY HOUSE AND RIBBON SPECIALISTS

LILIES

Lilium Myriophyllum
Lilium Sargentae

The bulbs of these magnificent new Lilies are now ready for delivery. For the best results next year, they should be planted at once.

Price \$1.50 each, \$15.00 per doz.

R. & J. Farquhar & Co.
Boston, Mass.

BAY TREES

WINDOW BOX EVERGREENS.

Breck - Robinson Nurseries
LEXINGTON, MASS.

Telephone Lex. 260.

ROBERT CRAIG CO.
ROSES, PALMS.

and Novelties in Decorative Plants.
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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

American Beauty Roses for Easter

Roses that have been grown all summer in the field, if intended for forcing for Easter, should now be lifted. For a compost use any good rose soil and give them either 6, 7 or 8-inch pots, according to their size. Do not overlook giving them ample drainage with plenty of crocks in each pot. When potting see that you get the compost well in and around the roots and firm the soil well. To make them easier to handle you can prune them down to about a foot and a half. They should not be pruned too hard immediately after lifting; this can be done before you start them up. It is well to place these roses in a cool house for about two weeks and give them a syringe now and again, but do not encourage any growth. After this time they can be placed in a deep cold frame. While they are in the cold frame see that they are kept moist at the roots; if this is not done they are very liable to be ruined by the frost. Before hard weather sets in plunge the pots up to the rims and then they can remain here until wanted for forcing.

Care of Calceolarias

It will be best to house all your calceolarias now. When they are kept out in a frame too late you have to shut the sashes down so early to retain enough heat to keep frost away that they always make a very soft growth. The tightly closed sashes are bound to create an over moist atmosphere which is very detrimental to this air-loving plant. They will require the coolest house you may have, where they can have at the same time all the sunshine there is. While these plants like plenty of ventilation they should never be subjected to any direct cold drafts. The proper way to ventilate is to start early in the morning to increase the air, as soon as the temperature shows a tendency to rise and until the maximum has been reached. In the afternoon reduce the same way, leaving a little on all night whenever possible. Fumigate each week which will help to keep the plants clean of fly.

Dahlias

When the blooms have been touched by a few frosts it is time to lift the roots. They never winter so well when left to be entirely cut down by hard frosts. When digging them up it is always better to leave the clumps in the field for the sun to dry them out. When dry they can be stored away in a cool-dry place. If given a too warm place where there is the least bit of moisture they will soon start into growth. Any place that will keep potatoes good will be right for dahlias. Where you intend to get new stock there is no better time than the present to do it, so place your order now with any one of HORTICULTURE's advertisers.

Gardenias

To have these plants good great care will have to be taken from this out, especially where they are wanted

for winter flowering. It is a big mistake to allow the temperature to become so low that the atmosphere has a cold and clammy feeling. The minimum temperature should never be allowed to go below 65 degrees at night. Before ventilating let the thermometer reach 75 degrees and then only give a little air at a time so as not at any time to cause a chill in the air. Start early in the afternoon and reduce the air the same way, and finally close up early enough so the glass will stand at 75 degrees or thereabouts. Never let the soil become either overwet or at all dust-dry as either condition always paves the way for the loss of buds and gives that sickly looking yellow foliage. Look over the benches every day and water any dry spots, for in watering the aim should be to keep all the roots in an even state of moisture at all times. Give a good syringing early in the morning on all clear days and keep the plants nicely tied up. Now that the dark and gloomy weather will soon be with us go slow in feeding these plants. They can have an occasional light mulch from now and up to the new year; after that date the preference can be given to liquid manure. When too much feeding with manure water is done early in the season it is liable to cause a wholesale dropping of the buds.

Growing Sweet Peas

In growing sweet peas for winter flowering there is nothing gained by trying to hurry them along by a too high temperature. They are cool-blooded subjects and will not respond to any hard forcing. If your plants are to remain in a vigorous growing condition, with strong stems and fine flowers, never let the temperature go over 48 degrees at night. Keep a dry cool atmosphere by giving them plenty of ventilation on all favorable occasions; this will give you less trouble from their dropping their buds. While the beds will not need watering every day it is well to go over them often to ensure an even amount of moisture at the roots. Keep the leading growths faithfully tied up from time to time; where this is allowed to be neglected for any length of time the stems will become crooked, which impairs their market value.

Spiraea Japonica

The roots of spiraea—or astilbe—will soon be arriving, so make it your plan to secure them as early as possible. Any one of the half-dozen or more varieties usually shipped here every fall is worthy of being included in the florists' Easter and spring stock. Where spiraeas that have been unpacked show a good ball of firmly matted roots, which is the rule, an immediate potting up will not be necessary. They can be heeled in some frames and a mulch or covering of straw or coarse manure will keep the ground in a condition that will make the removal of the clumps from the frame at any time during the mid-winter an easy matter. When wanted they can be potted into 6 or 7-inch pots, using a good rich compost.

Mr. Farrell's next notes will be on the following: Care of Amaryllis; Cattleya Trianae; Gladioli for Forcing; Easter Schizanthus; Lilium speciosum; Stevias.

FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Root Pruning

Do not delay this important job after the leaves commence to turn color and fall on those trees which have been "marked" for erratic growth. It is a common thing to meet with people who do not understand the scientific phase of root pruning. The prevalent idea is to cut the strong wood out and thus make room for more fruiting wood the next season. This, of course, makes those few eyes which are left grow equally strong the following season and so on until the tree either attains great proportions, or the food substances wear out in the soil, which takes time and means light crops or none at all. There is no reason why a tree planted under glass should not carry a crop of fruit the second year after planting. This is referring to the necessity of root pruning young trees only. These are the greater offenders, but it sometimes happens an older tree will start and make much too heavy wood. This is sometimes accounted for by the roots' getting out of control or continued light, cropping with heavy feeding. Whatever the call may be do not hesitate to prune the roots if the fruiting wood produced is not satisfactory. Two points are essential for success, viz.: do it at the right time and see that the roots do not become dry before the trees are started into growth; the roots are "the root of the evil" and this itself explains why their sphere should be reduced and in time they will produce the required fruiting wood. Second, the soil in the border should be in a "workable" state at the time; that is, not to be excessively dry or wet. To proceed, mark a semi-circle on the soil around the base of tree at a reasonable distance and dig down to the drainage on this line, throwing the soil well out of the way; any roots encountered at this distance can be discarded. Now proceed to loosen the soil from the ball with a small digging fork, throwing it out of the bottom after it is loose. After the first trench is dug around the tree a spade or shovel should not be used again, excepting to throw out loose soil, or good roots are liable to be broken. Bad trees will be found to have strong roots right down to the drainage. These and others having a downward tendency must be worked up nearer to the surface. Bunch them up with a piece of raffia and sling them to the trellis out of the way. It is of no use to half-do young trees; get right under them. When the ball has been reduced sufficiently to allow of tunneling under, do one half first and pack it up again, which will prevent the ball from breaking. If your border is too dry to work properly, here's where you get your trouble. With cross-trellis trees it will be necessary to do both sides of the trellis alike, and to be sure the tree has been properly got under, at the time of starting to replace the soil on the first side, push two or three yellow leaves to the back of the ball which will serve as markers when working on the opposite side. Fill in some of the bottom soil before replacing any roots; this and all the soil must be rammed quite firm as it is replaced. The actual pruning of the roots is a simple job; use a sharp knife and always make a clean oblique upward cut. Experience is the best teacher as

to how far to cut them back; be governed by the growth made. When replacing the roots see that they are all laid horizontally, spreading them evenly over the surface and taking care not to bunch them by carelessly throwing the soil on to them. Get them as near to within three inches of the surface as you can. Give the trees a soaking soon after the work is completed. This is a job which cannot be rushed; the man who tries to do so courts failure as it takes time to do it properly.

Melons in Pots

To keep up a continuous supply of melons throughout the year regular sowings should be made each month. For midwinter work pots are best used in preference to benches. The former have distinct advantages over the latter at this time of year. Each plant is under separate control and they also dry out much more quickly, making it easier to finish the fruit. The sowings made about the 1st of December can be the first for bench work. Sow the seeds in three-inch pots and cover them over with a sheet of glass. This will help to keep the soil moist after they are watered in and also be the best preventive against the ravages of vermin. If there are any around they will soon find melon seeds and give them small show after the first night. As many as forty seeds have been known to disappear in one night.

When the seedlings have nicely filled the threes out with roots, move them on into sixes, from which they should go to the finals. These should be not less than fourteen-inch. Use a good open compost and make it moderately firm with the rammer. Keep the base of the stem nearly as high as the sides of the pot; this keeps it out of the water and is a preventive to canker. It will pay better to be satisfied with one good fruit off each plant than to have several small half-finished fruits.

Radishes

Radishes are one of the quickest vegetables to give returns and are easily grown. They utilize very little space or can be grown between other crops without injury to either. Sown between spinach they are pulled before either is crowded. If young lettuce are transferred to the benches when small, radishes will mature before they are in the way. Given a bench to themselves they can be sown broadcast in rows. If the latter way is used make the rows about four inches apart.

Lettuce

Plants growing in the cold frames will now have good heads on them and should be kept cool. Remove the sashes soon after the sun raises the temperature to 45 degrees and do not put them on in the afternoon so long as the sun is shining and the temperature does not recede below the previous figure. When watering do so in the morning or early enough in the afternoon so that the plants can be dry before night time. Younger plants coming on in the vegetable house will need to have the surface soil continually broken up to admit air to the roots.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Liquid Manure and Mulching

Which one of the above is the better, largely depends on the place, houses, benches, location, variety of roses grown, and—last and most important of all—the growers themselves. We do not favor a very heavy mulch by any means, and the way mulch is applied in some places is a discredit to the managers, for a large portion of this manure is wasted—waste pure and simple—for roses, no matter how freely growing, will take only a certain amount of nourishment and no more. The successful growers know about how much this is and then they apply no more. Good cow manure is expensive, so the less wasted the better.

A very heavy mulch applied now is not a good idea by any means. The fall is bound to have more or less dark weather and with a heavy mulch on the benches you will have all sorts of trouble to dry out the soil. This especially applies to places where six or more inches of soil were used. We would never recommend more than four inches and, to go further, we grow extra good Beauties in less. With six or seven inches of soil and an inch or two of mulch on top of that, a man has something to worry about, if a month of dark weather strikes his place.

With us, for instance, where we have little soil in the benches (and that well prepared) and use only enough mulch to afford protection to the roots, things are a little different. Instead of using heavy mulching we prefer to use a little liquid manure to supply all necessary nourishment the plants may require. A little bone-meal is also applied now and then; only a little at a time and always just before watering. Before applying liquid manure always make sure that all plants are plenty wet enough. Better water them all with clear water first and then apply just enough liquid manure to saturate the soil. In watering with clear water, use plenty of it and soak the benches thoroughly. We find we can control the plants much easier with little soil, little mulch and liquid manure. We go over the benches as often as necessary and cover over the bare soil. Thus the front row on front bench will at times receive a mulch two or three times while the back bench in the same house will receive only one mulch. This is the only way to do, too, as mulch is consumed much quicker along the front of the benches and the plants would suffer if not mulched and the back rows again would suffer if mulched, so there you are.

With Killarneys, Radiance and a few more of the free growers we prefer liquid manure alone, using a coarse mulch of one-half sod and one-half manure. Mind now we did not say soil, but *sod*; soil would not be

as appropriate. This mulch is applied about now and the liquid manure is given the plants and plenty of it, too. Of course when the plants are cutting heavily or when buds begin to show color it is unwise to use liquid. But if the plants are growing freely little harm can result if liquid is properly applied.

Green Fly

We have not seen one for so long that we came near almost forgetting that such a desperado exists. Watch your plants closely and do not let Mr. Green Fly put in an appearance for he delights in bringing on all his cousins, etc., and once established they may cause you some trouble, for law cannot compel them to move out. There are many good insecticides in the market, some of the best being advertised regularly in HORTICULTURE, that will make short work of greenfly and any other insect. We find cyanide of potassium as good as anything and very simple, although it has to be used with great care. The amount to use depends largely on the brand of cyanide you wish to use, the condition of the growth and atmosphere. The best brand that has so far come to our notice is the Merck 98 to 100 per cent. pure. Two ounces of this in a tight house of about 42,000 cubic feet will destroy every green fly visible. Of course no doubt atmospheric conditions have a good deal to do with its effectiveness. A house is never so air tight as it is when it is raining and that is the time to use gas or to fumigate, providing of course the houses are low enough, say 66 or so. Well experienced growers who knew their plants can often use gas or fumigate when house stands 70 or a little more, but our advice is never to attempt fumigation of any kind unless the house is below 70 degrees F, and the lower it is the better.

Disbudding

Keep right after this all the time. Have regular days each week for the men to do this and then it will never be neglected. Those little side-shoots certainly do take strength away, so get rid of them.

Regulating Temperature in Houses

Sometimes it happens that even with the best of care the houses will run up in temperature too high above the normal mark. It is here where the skill of the grower plays an important part. Do not become worried or excited and lift the ventilators so that houses come down at once, usually too low. Put a little air on and very slowly increase this so that houses take at least an hour to drop back to their normal temperature. Remember sudden changes of temperature mean mildew.

BOOM YOUR FALL BUSINESS

by advertising your goods in the

Horticulture

Publicity among the kind of readers reached by this paper is THE SORT OF PUBLICITY THAT PAYS.

HORTICULTURE
VOL. XVI NOVEMBER 2, 1912 NO. 18

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
11 Hamilton Place, Boston, Mass.
Telephone, Oxford 292.
WM. J. STEWART, Editor and Manager.
SUBSCRIPTION PRICE
One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.
ADVERTISING RATES
Per inch, 30 inches to page..... \$1.00
Discounts on Contracts for consecutive insertions, as follows:
One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.
Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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Cheaper flowers.
How?
No argument or demonstration is needed to convince the readers of this paper that the cost of fitting up and conducting a retail flower store is today very much greater than it was a few years ago. Ice boxes, mirrors, tiled windows, electric lighting and other furnishings of the average flower establishment

are only a part of the luxurious outfit which one must have in order to compete successfully for trade. Auto delivery cars, uniformed messengers, fancy boxes, stationery, etc., all help to make the expense account such as would have appalled even the most ambitious a few years back. All this has to be covered in by the selling profit. With the cost of doing business so much increased and salaries and the "cost of living" advanced in equal degree we can't see much encouragement for those who are constantly clamoring that the public should get their flowers from these stores at lower prices. Indeed flowers are one of the very few commodities on which prices have not advanced in recent years. If they are to be sold at a still lower figure it must be by means of some much less costly medium than the up-to-date city flower store.

Worthy novelties
In favor
The eagerness with which any worthy novelty in flowers is now welcomed by the retail florist trade is one of the most gratifying signs of the times and that the producers are ready with an enthusiastic response to this encouragement so long denied them, is the natural result. For many years the rather antagonistic attitude of the influential retailer often acted as a deterrent to any great investment of enterprise in the introduction of new varieties. Now, the reverse is true and the man with novelties in any line is the one most sought after. And all this is advancement in the right direction and a good thing for the flower trade. Of course the "novelties" must be novelties in fact and not merely counterparts of things already common or already discarded as unworthy. The sacrifice of the goose that laid the golden eggs will again be repeated if "progressive principles" are not strictly adhered to by the introducers. As a check upon the indiscriminate dissemination of things of unproven value the various special societies are doing a great service to the trade. There may be an occasional exception, but it will be prudent to assume that a seedling rose, carnation, chrysanthemum, dahlia, sweet pea or peony introduction which cannot show credentials from its respective society usually belongs in the discard.

Imitation versus
real flowers
Our horticultural friends across the Atlantic are somewhat worked up about the increasing popularity of artificial flowers and the willingness of florists to sell them. In this country the problem is by no means a new one and the increasing skill shown in the production of these imitation flowers should not be underestimated. It must be admitted, however, as we have before remarked, that the artificial flower has its place and an unqualified denunciation of it by the grower of fresh goods would hardly serve any good purpose. The sinning which we all can consistently condemn is its use as a substitute for the real thing where the latter can and should properly be used. Fresh flowers in a ladies' hat are as impracticable as a bridal bouquet in cloth imitation would be abominable. Last winter it was quite a common thing to see on Broadway silk cattleyas worn as corsage adornment, but everybody could see they were imitations and on freezing days when fresh flowers could not be worn we must admit there was some common-sense in the practice. "The eternal fitness of things" is a good standard to have in mind. Any florist who would encourage the use of artificial flowers as substitutes for the genuine when the latter would be practicable and fit is a proper subject for censure, but there are plenty of uses for the former and the more nearly perfect they are made the better we enjoy seeing them. Let us be careful not to stand up so straight that we tumble over backwards.

THE GREAT NEW ROSE MRS. CHARLES RUSSELL.

We had the pleasure of paying a visit of inspection under the sheltering care of P. Welch to the Waban Rose Conservatories on October 27th to see the great new rose Mrs. Chas. Russell, which is to be sent out next spring. Mr. Montgomery has some 20,000 plants of this and they are certainly a sight to warm the heart. It is a great rose in every way; big as American Beauty, and with as delightful and powerful fragrance; color a lighter shade of cerise which does not fade to blue, but turns a lighter rose as the flowers age; a splendid keeper; and last but not least will give four times as many flowers as Beauty. Mr. Montgomery certainly has a great thing in this and we expect there will be a rush for it not only among commercial growers, but by private gardeners also. The latter will find this a great substitute for Beauty which is very unsatisfactory to grow in limited quantity in a mixed collection—and no amount of explaining ever satisfies the employer for the lack of plenty of flowers of American Beauty from his conservatories.

Nearly all of the professional rosarians who have seen the rose have jumped to the conclusion that it has American Beauty blood in it; but this is not so—although the conclusion is a perfectly natural one from the general make-up of the rose. Mr. Montgomery has a rose stud book which gives all the ramifications of the various crosses and recrosses back to the commencement. Without going into the bewildering details of this stud book it may be stated in brief that the following well-known roses have all figured at one side or the other during the process of evolution: Marquis de Litta, Chateaufort, Testout, Climbing Belle Siebrecht and General McArthur. At no stage has American Beauty ever figured in the parentage.

One of the most remarkable things about the rose is its keeping qualities. This fact makes its popularity with the flower buying public an assured thing if there were nothing else. But when to this is added size, fragrance, and perfection in form and color the combination is irresistible. We predict a great future for the rose and feel glad that Mr. Montgomery has decided to give it to the world. This decision contrary to what most people imagine is rather against than in favor of the commercial side of the question. Many good judges and successful business men think the owners should keep the monopoly of this splendid thing and sell the flowers only. There is a good deal of truth in this and we are glad that so keen a business man as Mr. Montgomery has been able to place public spirit above the dollar and decided to let all the world share in his great "find."

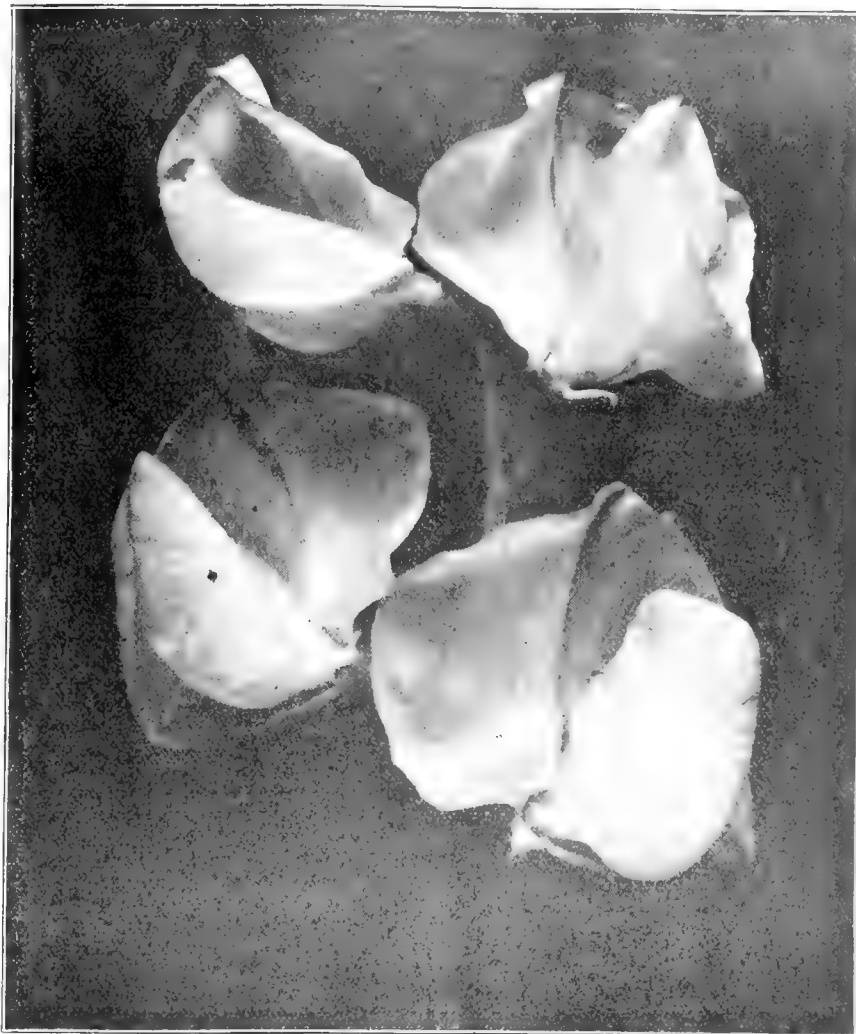
GEORGE C. WATSON.

PERSONAL.

Richard Warner, now employed by Mark Aitken, Springfield, Mass., was formerly with Alex. McConnell, of New York.

Charles Issele has given up his position with A. N. Pierson, Inc., Cromwell, Conn., and is now employed by Mark Aitken, of Springfield, Mass.

A NEW BURPEE SWEET PEA.



BURPEE'S NEW WINTER FLOWERING SWEET PEA.

The accompanying engraving has been made from a photograph of one of W. Atlee Burpee's winter-flowering Spencer sweet peas as yet unnamed. The variety is an immense pink and white true winter-flowering variety in

color similar to Blanche Ferry (Christmas Pink). As can be noted from the picture the flowers are beautifully waved in truest Spencer form, and the variety will be a decided acquisition to market growers.

CINCINNATI NOTES.

Thos. Windram has gone to the Lake Shore Ferneries, at Leesburg, Fla.

The Hill-Heller store held an exhibition from Thursday to Saturday of last week. It consisted principally of chrysanthemums.

E. G. Gillett is getting about by sheer grit and contrary to his physician's orders these days. On Saturday on his way home he turned his ankle and fractured a bone.

Albert McCullough returned from Florida the past week. J. Chas. McCullough was shot by an unknown person as he was alighting from a car in front of his office. The bullet took effect in his arm.

Visitors: Arthur Zirkman, representing M. Rice & Co.; Harry Tredway, Dayton, Ohio; Meyer Heller, New Castle, Ind.; and E. G. Hill, Fred Lemon, Earl Mann and H. Shephard of Richmond, Ind.

CO-OPERATIVE FLOWER MARKET.

The Co-operative Flower Market of Boston held their annual meeting and banquet at the American House Saturday, October 26, with about fifty stockholders present. The general routine of business was carried out and there were interesting speeches by several of the stockholders. The following board was elected: Donald Carmichael, treasurer; William Tailby, secretary; John McFarland, Ed. Wood, Robert Montgomery, Norris Comley, William Elliott, James Wheeler, L. E. Small. The president is yet to be elected. An invitation to unite with the Boston Flower Exchange in their move to Winthrop square was read and will be acted upon at a special meeting of the board on November 2. The financial report was read and proved very satisfactory. A dividend of 20 per cent. was declared with a good balance on hand. An orchestra from Joseph Brock & Sons furnished splendid music.

THE EXHIBITIONS

LENOX HORTICULTURAL SOCIETY.

The first fall exhibition of the season opened in the Town Hall on Oct. 24th. The exhibition was well arranged, five groups on the main floor occupied the premier position, the intervening space being used to display the large vases of chrysanthemums. The judges were Wm. Kleinheinz, Thomas Logan, Jas. Stewart and A. E. Thatcher. The competition was very keen in the important classes. The groups were very pleasing and artistic, Fred Heeremans, superintendent for W. D. Sloane, winning the Breck silver cup with an effective and harmonious arrangement. Second prize to Allen Jenkins, superintendent to S. P. Schotter, using four *cocos flexuosa*, crotons and gloxinias in small pots arranged on a cork frame. Third prize to Ed. Jenkins, superintendent to Giraud Foster, a massive central column of foliage plants, edged with nerines, *clerodendron fallax* and Farleyense fern. The Boddington prize for orchid group was easily won by A. J. Loveless, superintendent to Mrs. Griswold; second to Fred Heeremans. The other orchid prizes were shared by A. H. Wingett, superintendent to Chas. Lanier; E. J. Norman, superintendent to Mrs. Westinghouse, and J. J. Donohue, superintendent to Mrs. Jesup. Thos. Proctor, superintendent to R. W. Paterson, staged a most interesting and educational orchid exhibit in a glass case, of seedling cattleyas. The large specimen chrysanthemums were probably the finest ever shown at Lenox. The C. S. A. cup brought out six competitors and was won by C. Carlquist, superintendent to Mrs. Winthrop, with superb Mrs. J. C. Neille. Second, Allen Jenkins, same variety, and third A. Loveless, with peerless Wm. Turner. For 24 distinct Fred Heeremans won with fine blooms. Second, Allen Jenkins, third, Ed. Jenkins. Twelve distinct fell to A. J. Loveless including the largest flower in the show, Wm. Turner (9 inches deep). The same exhibitor won a silver medal for new variety named Ursula Griswold, a sport from Etherington, color cream white. Thos. Proctor staged superb Wm. Duckham for six pink. The exhibition of vegetables is always a feature of great merit and rivalry. This year Fred Heeremans captured the silver cup donated by Mrs. Winthrop for collection of 18 varieties, with a superb display, closely followed by Ed. Jenkins and G. Thompson, superintendent to C. deHeredia, for 12 varieties. C. Carlquist won the president's cup and Allen Jenkins the Stumpp & Walter cup for six varieties. The single dishes of vegetables were of high order especially the onions and mushrooms. Ed. Jenkins won with fine bunches of well-shouldered Barbarosso grapes.

Trade Exhibits.

C. H. Totty staged a fine exhibit of new novelty chrysanthemums and some well grown singles; also a large vase of his magnificent new rose, Mrs. Geo. Sawyer, which attracted much attention and won the society's diploma. Julius Rochrs Co. put up a table of choice exotics and orchids. Scott Bros. staged single and pompon chrysanthemums, also a good vase of their new

carnation Wm. Eccles. Certificates of merit were awarded A. N. Pierson for new crimson rose Milady, and to J. D. Cockcroft for new carnation Northport.

TUXEDO HORTICULTURAL SOCIETY.

The fall exhibition of this society was held in the ball room of the club house at Tuxedo Park on Oct. 25, 26 and 27. The exhibition was a decided success from every point of view, the exhibits were remarkably good, especially the bush and standard chrysanthemums shown by Mr. Richard Mortimer, Carl D. Schaeffer, gardener. They were the most observed in the whole exhibition. The groups of miscellaneous plants of Frank Tilford, G. G. Mason and others were excellent also, as were the many other ornamental foliage plants and ferns. The roses and carnations were above the average. The vegetables were nothing less than a revelation to the old timers familiar with the like of those seen at shows in this neighborhood some years ago. The table decorations were a credit to every one of those having a hand in their makeup. The fruit alone was below the standard of what might be expected after looking at the other exhibits. The judges were Messrs. Blair, Allen and MacKenzie.

There were many trade exhibits. Henry A. Dreer showed *Adiantum Gloriosa*, an easily grown fern of the Farleyense type. The whole stock was bought up in the exhibition hall. Chas. H. Totty showed that grand new rose Mrs. Sawyer. Scott Bros. showed their new red carnation, Wm. Eccles. Carl D. Schaeffer showed a seedling anemone chrysanthemum "Elenor" possessing many attractive qualities.

CONNECTICUT HORTICULTURAL SOCIETY.

At the meeting of Oct. 25th, two new members were elected, bringing the roster up to its highest point, namely, 208.

A handsome exhibition of chrysanthemums was made; J. Alfred Weber showing William Turner, white, and Mrs. C. H. Kelly, red, and Alfred Cebelius showing well-trained bush plants. T. B. Brown of Windsor staged two seedlings grown by him. George B. Baker, William H. MacKenzie and John Gerard acted as judges. They made awards as follows: Honorable mention to T. B. Brown for the seedlings; a first-class certificate to J. A. Weber for the cut blooms, and a cultural certificate for mushrooms; and a cultural certificate to Mr. Cebelius for the bush plants. The secretary, by request, read a magazine article by Dr. Edward F. Bigelow, entitled "The Perfections and Imperfections of Nature."

Mr. Gerard, in the general discussions, advocated the idea of our national government granting letters patent to the originators of new species of flowers, vegetables and fruits—a practice that obtains in all countries as regards mechanical inventions.

The next meeting, on Nov. 5th, will be "Chrysanthemum Night," and a fine exhibit of this favorite flower is expected.

GEORGE W. SMITH,
Secretary.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The Nassau County Horticultural Society held its exhibition at Pembroke Hall, Glen Cove, N. Y., on Oct. 29th and 30th. In addition to the regular classes there were 42 special classes. Mrs. Francis S. Smithers gave a silver cup for the best collection of hardy chrysanthemums, grown and flowered outside, not to exceed 50 varieties, Mrs. Herbert Lee Pratt a silver cup for the best table decoration, Mrs. James H. Ottley a cup for 18 pink Killarney roses, and among the other colonists who are offering awards are Mrs. John R. Maxwell, for a collection of outdoor flowers and six kinds of vegetables; Howard C. Smith, vase of eight chrysanthemums; Mrs. Henry W. J. Bucknall, for vase of six chrysanthemums, six varieties long stems; A. G. Hodenpyl, collection of eight vegetables. The judges were Robert Angus, William Duckham, John MacNicol, Howard Nichols.

MASSACHUSETTS AGRICULTURAL COLLEGE.

The annual exhibition of chrysanthemums and other flowers was given in French Hall at the college, Oct. 26th, under the direction of Prof. Edward A. White. The horticultural department showed 200 varieties of chrysanthemums, together with carnations, roses and violets. The competitive decorations of banquet tables was given, in which 16 members of the floriculture department competed. The judges were Mrs. K. L. Butterfield, Mrs. E. M. Whitcomb, Miss Mabel Whitman, Mrs. Anna P. See and Mrs. E. K. Eyerly, all of Amherst. The prize table was decorated in buff Peter Pan chrysanthemums with asparagus.

COMING EXHIBITIONS.

October 31-November 2, 1912, Mt. Kisco, N. Y.—Annual exhibition of Northern Westchester County Horticultural and Agricultural Society, St. Francis Hall. Thos. Ranger, chairman exhibition committee, Mt. Kisco.

November 1-5, 1912, New York, N. Y.—Exhibition, Horticultural Society of New York, American Museum of Natural History. George V. Nash, secretary, N. Y. Botanical Garden, Bronx Park, N. Y. City.

November 5-8, 1912, Philadelphia, Pa.—Exhibition, Pennsylvania Horticultural Society, Horticultural Hall. David Rust, secretary, Horticultural Hall, Broad street, below Locust, Philadelphia.

November 6-7, 1912, New London, Conn.—Chrysanthemum and fruit show, New London Horticultural Society, Y. M. C. A. Gymnasium.

November 6-8, 1912, Tarrytown, N. Y.—Fourteenth annual exhibition, Tarrytown Horticultural Society, Music Hall. E. W. Neubrand, secretary, Tarrytown.

November 6-8, 1912, New York.—Chrysanthemum show, Chrysanthemum Society of America, Berkeley Lyceum building, 19-21 West Forty-fourth street. W. A. Engleson, secretary, 19 West Forty-fourth street, New York.

November 6-10, Buffalo, N. Y.—Fall flower show, Buffalo Florists' Club, Convention hall. William F. Kasting, chairman of show committee, 383 Elliott Street, Buffalo, N. Y.

November 7, 1912, Worcester, Mass.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural Hall. L. C. Midgley, secretary, 18 Front street, Worcester.

November 7-9, 1912, New Rochelle, N. Y.—Second annual exhibition, Westchester and Fairfield Horticultural Society, Germania Hall. Anthon S. Petersen, manager, New Rochelle, N. Y.

November 7-10, 1912, Boston, Mass.—Chrysanthemum show, Massachusetts Horticultural Society, Horticultural Hall. Wm. P. Rich, secretary, 300 Massachusetts avenue, Boston.

November 8-12, 1912, St. Paul, Minn.—



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Flower show, Minnesota State Florists' Association, Auditorium. S. D. Dysinger, secretary, 20 West Fifth street, St. Paul.

November 14-16, 1912, Cleveland, O.—First exhibition, Ohio Horticultural Society, Gray's Armory. John N. Stockwell, secretary, 218 City Hall, Cleveland.

November 18-23, 1912, Baltimore, Md.—Annual exhibition, Maryland State Horticultural Society, Fifth Regiment Armory. T. B. Symons, secretary, College Park, Md.

December 11-13, 1912, Rochester, N. Y.—Fifty-eighth annual meeting and exhibition of the Western New York Horticultural Society in Convention Hall.

CLUB AND SOCIETY NOTES.

The Englemann Botanical Club of St. Louis will hold its meeting November 11th in the lecture room of the Missouri Botanical Garden.

A paper on the retailing of cut flowers by Irwin Bertermann, Indianapolis, Ind., will be read at the next meeting of the Chicago Florists' Club November 7.

The Retail Florists' Association of St. Louis held its meeting on last Monday night at the Washington Hotel. The entertainment committee made its report and it was decided to have a banquet early next month. All the officials were present.

"Bulb Culture in Open Border, Indoors and Greenhouses," was the subject of an interesting address by Prof. E. K. Thomas, of the Rhode Island State College, given at the regular meeting of the Rhode Island Horticulture Society on Oct. 16. There was a large attendance.

The Florists' Club of Washington will hold, on Nov. 4th, a meeting at 1214 F street, N. W., to discuss certain proposed amendments to the by-

laws. Plans for an advertising scheme, previously announced, for the coming Thanksgiving Day trade will also be discussed.

The annual meeting of the Chrysanthemum Society of America will be held at the American Institute, 19-21 West Forty-fourth street, New York City, Wednesday, Nov. 6th, 1912, at 3 o'clock. This is the first day of the exhibition and a large attendance of the members is desired.

The officers of the St. Louis Florist Club held a meeting last week at Smith's wholesale house to arrange for the reception of President Vincent of the S. A. F. and to lay out a programme for the winter meetings of the club. The reports of this meeting will be read before the club on November 14th.

The next meeting of the Chicago Florists' Club will be held Thursday evening, November 7, at the Union Restaurant, 72 West Randolph street, Chicago, at 8 P. M. The club will then nominate its candidates for offices for the ensuing year in accordance with its new by-laws. The arrangements for Ladies' Night will be announced at this meeting. All members are earnestly requested to attend.

A meeting of the Lancaster Florists' Club, Lancaster, Pa., was held October 24th with an endeavor to get at the cost of our productions, which brought out a lively discussion, but not much in the way of practical results. Henry Rohrer gave a very interesting account of a trip through the West and his visits to various florists, among them

Breitmeyer's at Mt. Clemens, Mich., Van Bochove Bros., at Kalamazoo, Mich., E. G. Hill Co., Richmond, Ind., and others. The Board of Trade rooms were engaged as a meeting place for a year. Henry Rohrer exhibited some very fine chrysanthemums, as did Rudolph Nagle. An exhibit of chrysanthemums and carnations was also made by Mr. Spinner, gardener for the Locher estate.

BOSTON FLOWER EXCHANGE.

The annual meeting and banquet of the Boston Flower Exchange was held at the Quincy House, Boston, on October 26. The reception was held in the parlor at 6.30 with a large attendance. A fine orchestra furnished music. During the banquet an invitation to unite the two markets in the move to Winthrop square was read and a motion made and approved that the invitation be sent to the Cooperative Flower Market Committee then holding their meeting and banquet at the American House. A dividend of 10 per cent. was declared which might have been much larger but for the fact that funds will be needed for the prospective move. There was considerable argument about moving as the lease of the present market does not run out till June. It was decided to move in the early spring. The same board was elected with the addition of A. S. Parker of Stoneham, to replace Thomas Pegler. After the election there was an intermission during which solos by W. B. Goodnow and fine chorus singing was enjoyed. The affair broke up at 10.30 and all declared it was a very enjoyable evening.

Cleveland Flower Show . . . Nov. 14, 15, 16

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Harry Kirk, \$10.00 per 100.

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Perle, Sunrise, Sunset, American
Beauty, \$8.00 per 100.

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Souper, Souvenir de Wootton, \$7.00
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Mrs. Wardell, Kaiserin, Bride, Brides-
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Any quantity, size and age. No
better grown. Shade and orna-
mental Trees, Shrubs and Vines.
Full line of Fruit Trees and
Plants.

Get our prices and catalog

Franklin Davis Nursery Co.

BALTIMORE, MD.

ROSES OWN ROOT

All the leading varieties
for Forcing.

Breck-Robinson Nurseries
LEXINGTON, MASS.

Telephone Lex. 260.

A. N. Pierson, Inc.,

CROMWELL, CONN.

Bedding Plants and Roses

PALMS, FERNS AND

DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

In Writing to Advertisers Kindly Mention "HORTICULTURE"

**JUST RECEIVED—IN FINE CONDITION—A
SURPLUS OF**

Lilium Longiflorum Multiflorum, 7x9

ALSO CALLAS

WRITE FOR PRICES

The Yokohama Nursery Co., Ltd.,

**31 BARCLAY STREET
NEW YORK CITY**

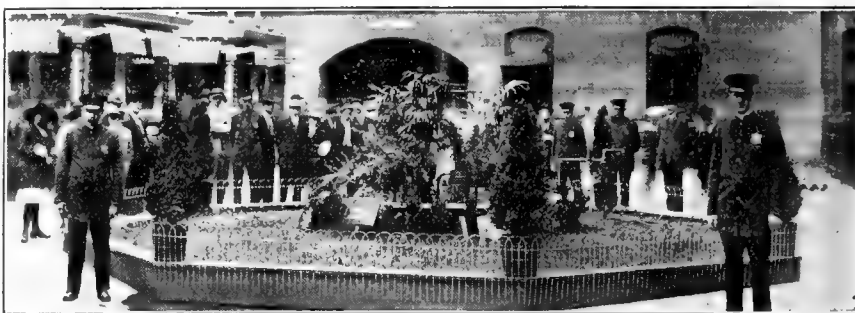
SEED TRADE.

The seed trade of the old Bay State are law abiding people but they are wondering what's going to happen to them after January first next. The new law says that peas must be sixty pounds to the bushel. There is another law which says that thirty-two quarts make a bushel. Now, it is a well known fact that a bushel of wrinkled peas weighs only about fifty-six pounds and the question arises, which law are they to obey: the thirty-two quart law, or the sixty pound law. One Boston firm wrote to the sealer of weights and measures for instructions. All he got out of him was that the law would be enforced as writ. Which was highly illuminating. We await with interest to see how this queer mixup will work out.

Over in New York state they are worrying because the law says they must put on every packet the percentage of purity and germination and there are, of course, penalties if the said packet is found at any time or place afterwards and fails, which it assuredly would in time to the said percentage. Also how is a seedsman to know what happens to a packet after it leaves his hands. The legislators say we made the fertilizer folks do it, why not you seed folks. They forget that seeds are live entities like a horse or other live thing; and so one would ask a guarantee that a horse would not fall and break his leg or that a brick would not fall on his head and kill him the day after the sale. That would be going into the insurance business and would of course entail an insurance premium, and would enormously increase the cost of seed. A fine help that for the farmer!

A Boston seedsman asked the writer the other day: How is it that a wee country like Scotland looms up so big with its men at the head of affairs in the seed trade of the United States and Canada? We modestly opined that it must be because they were all smart, clever lads. But he wouldn't have it that they were any smarter or shrewder than the Yankee lads. Which is true. In fact more so. The secret of it lies probably in the apprentice system in vogue in the seed trade of Scotland. Most of the boys to begin with are from the country districts, sons of farmers or gardeners, and have the fundamental knowledge of common agricultural and horticultural things on which to lay a knowledge of the intricacies of the wider auxiliary profession. Such boys when given ro-

AN ECONOMICAL FOUNTAIN.



Our illustration shows the "ring" lawn sprinkler used as a fountain as described in our issue of October 19, in operation as a public exhibit in Philadelphia by H. F. Michell Co. The

basin was filled with aquatic plants and fringed with decorative foliage plants and as an advertisement for the house could not have been improved upon, many thousands of spectators being attracted to it daily.

tation in all branches of the business make as a rule better seedsmen than city boys of equal mental ability.

G. C. WATSON.

Notes.

Covington, Ky.—The Covington Seed Co., the business of the late N. R. Mil-

ler, will be continued by his sons, C. C. and A. R. Miller.

Bay City, Mich.—The capital stock of the Gregory Farm Seed Co. has been increased to \$30,000. They expect soon to move into offices at Third and Adams streets.

HJALMAR HARTMANN & CO., Copenhagen, Denmark

Seed Growers for the Wholesale Trade
CAULIFLOWER, CABBAGE and ROOT SEEDS



"Copenhagen Market" Cabbage

Prices and Descriptive List on application
LOECHNER & CO., 11 Warren St., NEW YORK
Sole Agents for the United States and Canada

BRASILIAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

MICHELL'S FORCING GLADIOLUS

EXCEPTIONALLY FINE BULBS

	Per 100	Per 1000
BLUSH BRIDE—Blush pink, blotched dark pink, - -	.65	\$5.75
BRIDE—Pure white, - - -	.65	5.25
PEACH BLOSSOM—A beauti- ful shade of pink, - - -	.95	8.50

COLD STORAGE LILY OF THE VALLEY

For Thanksgiving, Christmas and New Years.

WRITE FOR SPECIAL PRICES

Our latest Wholesale Catalogue is
Free for the asking.

MICHELL'S SEED HOUSE
518 Market St., Phila., Pa.



QUALITY SEED BULBS
SEND FOR CATALOGUE
ARTHUR T. BODDINGTON
348 West 14th St., New York.

BULBS

Dutch and French
Ready Now

O. V. ZANGEN, Hoboken, N. J.

BULBS

For Fall Planting

Price List for the Asking

The W. W. Barnard Co.
231-235 W. Madison St., CHICAGO

Fall Bulbs Selling Fast

Still have stock of all late and a few early varieties.

Special Prices.

FREESIA REFRACTA ALBA.

Extra Large,
\$0.75 per hundred. \$8.75 per thousand.
Mammoth Bulbs,
\$1.00 per hundred. \$9.00 per thousand.

LILIUM HARRISII,

6-7 inches,
\$0.75 per dozen. \$3.50 per hundred.
For Florists and Dealers Only.

Mention this Ad.

JAMES VICK'S SONS
ROCHESTER, N. Y.

TOMATO SEED

BEST STOCKS. ALL VARIETIES.

The Haven Seed Co.

Growers for Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

POINSETTIAS 2 1-2 in. strong, \$5 per 100;
\$45 per 1000

CYCLAMEN SEED the celebrated English
strain, \$9 per 1000

PANSY SEED, home-grown, finest giant
strain, \$5 per oz. ~~6.00~~

Send for Catalogue.

S. S. SKIDELSKY & CO.
1215 Betz Bldg. Philadelphia.

CHOICE SEEDS

FOR PRESENT PLANTING

SHAMROCK, TRUE IRISH, PER OZ., \$1.00

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

The Everett B. Clark Seed Co.

GROWERS FOR THE TRADE

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan and Wisconsin **MILFORD, CONN.**

SEED PACKETS

Write for Samples
and Prices.

THE BROWN BAG FILLING MACHINE CO.
FITCHBURG, MASS.

TIME TO USE

MASTICA

We are the Boston Agents

Joseph Breck & Sons Co. p.
47-54 No. Market St., BOSTON, MASS.

PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds }

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO
ONION SETS
Write for Prices

T5



HAVE you our Bulb Catalog? If
not be sure to ask for "the
Florists edition," when writing.

We have one or two cases of Liliun Har-
risii, particularly fine stock, still unsold.

Price per 100, 5-7 at \$3.50 and 6-7
at \$5.50. For prompt shipment.

J. M. THORBURN & CO.

110 years in business in New York City

33 Barclay Street, New York

NEW CROP

English Mushroom Spawn
JUST ARRIVED

\$8.00 per 100 POUNDS

WEEBER & DON

Seed Merchants and Growers,
114 Chambers Street, New York City

Oklahoma Seed Growers Co.

Contract Growers of

Watermelon and Muskmelon Seeds

for the Wholesale Trade only

Enid - - Oklahoma

Burpee's Seeds
PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.

Place Your Order Now For
**AYRES' WINTER FLOWERING
SWEET PEA SEED**

For Fall Delivery

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

Sunnyslope Independence, Mo.

GARDEN SEED

BEET, CARROT, PARSNIP, RADISH and
GARDEN PEA SEED in variety; also other
items of the short crop of this past season,
as well as a full line of Garden Seeds, will
be quoted you upon application to

S. D. WOODRUFF & SONS, 82 Dey St., NEW YORK
and Orange, Conn.

Florists' Telegraph Delivery

(Retailers' Section—S. A. F. & O. H.)

Mutual discounts, 20 per cent.
Write for particulars to

Provision for guaranteed accounts.

ALBERT POCHELON, Secretary, 153 Bates Street, Detroit, Mich.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members Florists' Telegraph Delivery Association.

A. J. Bunyard
FLORIST

New York: 413 Madison Ave. at 48th St.
Telephone, Murray Hill 1920

Newport, R. I.: 145 Bellevue Ave.
Telephone, Newport 1034

Orders for Newport, R. I., and Narragansett Pier filled direct as ordered.

WILLIAM J. SMYTH

Cor. Michigan Ave. and 31st St.,
CHICAGO, ILL.

(Member Florists' Telegraph Delivery Asso.)

We ship to all points in Illinois and Iowa.
Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

**Kansas City, Mo.
913 Grand Ave.**

Member of the Florists' Telegraph Delivery.
All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE
Pres.

Member Florists' Telegraph Delivery.
DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

GEORGE M. STUMPP

761 Fifth Ave., Cor. E 58th St.
NEW YORK CITY

Of Interest to Retail Florists

Albany, N. Y.—The Rosery, 76 Maiden lane, has moved to its fine new store 23 Steuben street.

Paducah, Ky.—The florist business of C. L. Brunson & Co., 529 Broadway has been purchased by John Van Aart.

Seattle, Wash.—E. Mataria is now sole proprietor of the Paris Flower store. M. Christensen has bought the interest of his associate in the Butler Flower store and will continue the business.

STEAMER DEPARTURES

Allan.

Parisian, Boston-Glasgow....Nov. 8

American.

New York, N. Y.-S'hampton..Nov. 9

ATLANTIC TRANSPORT

Minneapolis, N. Y.-London....Nov. 9

Cunard.

Laconia, N. Y.-Mediterranean..Nov. 9

Saxonia, Boston-Liverpool....Nov. 9

Hamburg-American.

Pennsylvania, N. Y.-Hamb'rg..Nov. 9

Holland-America.

New Am'dam, N. Y.-Rot'dam..Nov. 5

Leyland.

Devonian, Boston-Liverpool...Nov. 9

North German Lloyd.

Kr'n'p's'n Cecille, N. Y.-Br'm'n..Nov. 5

White Star.

Cymric, Boston-Liverpool....Nov. 5

Celtic, N. Y.-Liverpool.....Nov. 7

Olympic, N. Y.-S'hampton....Nov. 9

Canopic, Boston-Mediterran'n..Nov. 9

NEW FLOWER STORES.

Jamaica, N. Y.—Bedell & Gibian, 5 Herriman avenue.

Pittsburgh, Pa.—Zieger Co., branch store, Penn avenue.

Reading, Pa.—Mrs. Charles F. Graul, 905 North Ninth street.

Philadelphia, Pa.—The Fernery, Fifty-second and Spruce streets.

Charlotte, N. C.—Mrs. H. S. Bryan & Co., 407 North Tryon street.

Elizabethtown, Pa.—I. R. Longenecker, 810 North Third street.

Oakland, Cal.—Quality Floral Co., Telegraph avenue and Nineteenth street.

New York, N. Y.—Kammann & Crowley, 31 West 58th street. Joseph G. Leikens, 346 Madison avenue. Briarcliff Novelty Store, Forty-eighth and Madison avenue.

IRWIN BERTERMANN, Indianapolis, Pres.
W. F. GUDE, Washington, Vice-President.
W. L. ROCK, Treasurer, Kansas City.

OTHER DIRECTORS:

Ernst Wienhoeber, Philip Breitmeyer, A. B. Cartledge, George Asmus, Fred H. Melhardt, J. A. Valentine.

ALEX. McCONNELL

**571 FIFTH AVENUE
NEW YORK CITY**

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

*Cost of Cabling Foreign Deliveries
Must be Prepaid*

Reference or cash must accompany all orders from unknown correspondents.

Cable Address, **ALEXCONNELL.**

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York
Telephone 1552-1553 Columbus

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

BROOKLYN—NEW YORK

Wilson
Floral

3 & 5 Green Ave.
Tel. 6800 Prospect

337-347 Green Av.
Tel. 3908 Prospect

THE ROSERY

76 MAIDEN LANE

ALBANY, N. Y.

**FLOWER DELIVERIES FOR ALBANY
AND VICINITY**

ALBANY, N. Y.

EYRES

Flowers or Design Work

**DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER**

11 NORTH PEARL STREET, ALBANY, N. Y.

Hatcher
Estab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

Established 1871

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City
(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardspier.

LOUISVILLE, KY.

JACOB SCHULZ,
550 South Fourth Ave.

Member Florists' Telegraph Delivery.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

BOSTON'S BEST
In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
191 Boylston Street, BOSTON.

CARBONE

Member Florists' Telegraph Delivery

342 Boylston St., Boston

Vases, Garden Furniture, Art Goods and New Designs in Tuscan Baskets for Florists' Use, in Wholesale Department.

H. F. A. Lange

WORCESTER, - MASS.

Deliveries to all Points in New England.
125,000 square feet of glass.

FOR NEWPORT

Narragansett Pier and All Other Rhode Island Points

Transfer Your Orders to

GIBSON BROTHERS

36 WASHINGTON SQUARE, - - - NEWPORT, R. I.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2139
Members Florists Telegraph Delivery

Flower Deliveries In

ROCHESTER, N.Y.

Salter Bros

38 MAIN STREET, WEST.

The California Florist

JULIUS EPPSTEIN — FRANK H. FORREST

344 - 346 Geary Street, SAN FRANCISCO, CAL.
and Hotel St. Francis, CAL.

We cover the entire Pacific Coast and West of the Rockies. Wire us your orders for all Steamers sailing for Honolulu, Manila and the Orient. Regular Trade Discount

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

Pelicano, Rossi & Co.
123 KEARNY ST.

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - - TORONTO, ONT.

Of Interest to Retail Florists

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 76 Maiden Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Ed. MacMulkin, 194 Boylston St.
Boston—Penn, the Florist, 37-43 Bromfield St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Phillip L. Carbone, 342 Boylston St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Detroit, Mich.—Florists' Telegraph Deliveries, 153 Bates St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Washington Sq.

New York—George M. Stumpp, 761 Fifth Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Darda, N. E. cor. 44th St. and Madison Ave.

Providence, R. I.—T. J. Johnston & Co., 171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main St., West.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.

San Francisco, Cal.—The California Florist, 344-346 Geary St.

San Francisco, Cal.—Pelicano, Rossi & Co., 123 Kearny St.

Schenectady, N. Y.—J. C. Hatcher.

St. Paul—Holm & Olsen, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Tailby.

Worcester, Mass.—H. F. A. Lange.

NEWS NOTES.

Oswego, N. Y.—Patrick Campbell, who has been in the florist business here for some years, will go into the moving picture show business. His flower store has been turned into a theatre.

Brunswick, Me.—Thomas Pegler, formerly manager of the Flower Growers' Sales Co., Boston, Mass., has leased a greenhouse and store on Jordan avenue and will probably build later for himself.

Frank J. Farney and Robert Shoch, traveling representatives of The House of Rice, are at home this week and both report excellent sales, and say that the florist trade everywhere is going to have a dandy season.

Lancaster, Pa.—At Albert M. Herr's carnations have been relegated to one large house for rooted cuttings. The other houses are all filled with stock plants of geraniums. He recently bought his father's place and erected one large house intended as a start for a range of cut flower houses.

BOSTON, MASS.

Penn the Florist

"Penn. The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston



GUDE BROS. CO
FLORISTS
1214 F ST., N.W.
WASHINGTON, D.C.

WASHINGTON,
D. C.

GUDE'S

Member Florists' Telegraph Delivery.

Chicago.

A. LANGE,

25 E. MADISON ST.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Asso.

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TAILBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 44-3.

THE Florists' Supply House of America

H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.

In ordering goods please add "I saw it in HORTICULTURE."



Wholesale and Retail Florists

You both will profit by using McCray Refrigerators. Don't cut down prices because of spoilage. Stop the spoilage. Our patented refrigeration will keep your stock fresh because of the perfect circulation of cold, dry air.

McCray Refrigerators

Are made not only in stock sizes but are built-to-order to suit your requirements. Write to-day for our Free Catalog No. 72 which will give you ideas to help you add to the attractiveness of your establishment.

McCRAY REFRIGERATOR CO.

Chicago Office, 55 Wabash Ave.
New York Office, 231 West 42nd St.

553 Lake St., Kendallville, Ind.

NEW YORK NOTES.

The plant auction sales have been very poorly patronized by trade buyers this season.

A. F. Faulkner is once more a New Yorker, as local representative of one of our western contemporaries.

George M. Stumpp, who has been suffering from an attack of rheumatic gout for three weeks past, has now quite recovered.

The Flower Auction Co. report increased attendance at their sales day by day and that satisfactory prices are being realized.

A consignment of 7000 lily of the valley pips for the late firm of Rickards Bros. was sold at public auction on Oct. 29, bringing a very low price.

E. B. Sutton, formerly a well-known Babylon violet grower, but now retired, has suffered a second stroke of paralysis and his condition is serious.

Mrs. C. H. Totty of Madison, N. J., has been very seriously ill for the past week but reports from the hospital are now favorable for her speedy recovery.

We are very sorry to learn of the continued poor health of Mrs. J. Austin Shaw and the condition of her eyes, which it is feared will result in total blindness.

The examining committee of the New York Florists' Club visited the greenhouses of C. H. Totty at Madison, N. J., to inspect the new rose, Mrs. Sawyer, growing, and their report will be made at the November meeting of the club.

H. A. Bunyard is a candidate for the presidency of the N. Y. Florists' Club. Mr. Bunyard has been an indefatigable worker for the club in many positions and has won recognition by the hustle which he has put into every duty with which he has been entrusted.

B. S. Slinn has moved up one flight in the Coogan Bldg., W. 26th street, and is now on the same floor as Frank Millang and Phil Kessler, with ample room and facilities for the conduct of a big wholesale flower business. Up-Hudson violets are Mr. Slinn's stronghold.

The Hallowe'en poster sent out by the New York Florists' Club has proved a great and glorious success and undoubtedly helped much to in-

crease the sale of flowers for that merry occasion. The next poster will be an original artistic production by Charles Livingstone Bull, and already a brisk advance call has developed.

Visitors—J. K. M. L. Farquhar, Boston; Carl von Dippe, Quedlinburg, Germany; W. F. Kasting, Buffalo.

OUT OF THE GINGER JAR.

A visiting stranger familiar with the advertising methods in vogue among the retail florists of Philadelphia, New York and other cities, must be struck with the clean cut methods of the Boston retailers. Conspicuous among the many admirable stands Penn. Not only his store but the newspaper and billboard all attest the master hand. What we admire most is not only their instant appeal to the eye, but the good taste. There is so much back of them all—only suggested but suggested in the most emphatic way. The best window we saw in Boston was Carbone's. Chaste, lovely, suggestive, up-to-date, and not overdone. Inside this store was equally indicative of the master brain. Not an inch wasted. Every corner and the whole outfit appealing to the refined and aesthetic. Wax Bros., on Tremont street, also appealed to us as worthy of notice. Their symphony in yellow: roses, carnations, and chrysanthemums—a dream.

The catch-as-catch-can element in Boston retailing of flowers seems also well represented. In one place, twenty-five roses for fifty cents nicely arranged in a box, was a feature. There is no money in that, of course, but it is good advertising. Helps to counteract the yawns about high prices which the Sunday supplements are so fond of exploiting.

The Hallowe'en cards seen in all the flower stores were very attractive. We are told the S. A. F. publicity committee were responsible for these. If so, they have made a good beginning and are entitled to the backing of every retailer and grower. Wallace Pierson tells us the committee has elaborate plans under way for other special occasions during the year. P. Welch says: Make that Hallowe'en card twice as big next year. A good thought.

GEORGE C. WATSON.

CHICAGO NOTES.

Another new store this week at 3433 North avenue with Johansen & Cammen, proprietors.

Poehlmann Bros. Co. now have A. F. Longren and C. Pruner traveling for their supply department, the latter starting on his initial trip Sunday.

At E. H. Hunt's preparations are under way for moving the stock and packing equipment from the fifth floor to the rear of the main floor, where orders can be handled more expeditiously.

Miss Drake, daughter of W. H. Drake, of Kenosha, Wis., spent several days in Chicago getting new ideas for their store which they will again assume the management of, after having leased it for some time.

At the private conservatories of E. G. Uihline, 2041 Erving place, there is one of the largest collections of orchids to be found at any private place in this country. There are ten houses and the gardener, H. Skjoldager, has been in charge seventeen years. Some fine plants of the fantastic Acalypha Sanderii (Chenille plant) were also noted.

Visitors: August Kellner, Milwaukee, Wis.; Jas. A. Wilson, Des Moines, Iowa; Geo. F. Crabb, Grand Rapids, Mich.

PROVIDENCE NOTES.

E. E. Howard, proprietor of the Eden Park Nursery is building a house 28x50.

William Cohen, employed for some years by William Hoffman of Pawtucket, is working for Joseph Kopelman on Washington street. Maurice Miller has accepted a position with Mr. Hoffman.

Visitor: E. Buchanan, proprietor of the Blue Bell Greenhouses.

INCORPORATED.

Farmington, Mich. — Farmington Greenhouse Co., capital stock \$5,000.

St. Paul, Minn. — Merriam Park Floral Co., capital stock \$25,000. Incorporators, Max Keiser, Nels O. Welander and Peter P. Quist.

Los Angeles, Cal. — California Nurseries and Orchards, capital stock \$250,000. Directors G. M. Boyd, F. H. Smith, F. E. Dillon, E. B. Terrell and P. D. Barnhart.

"MRS. GEORGE SHAWYER"

IS THE NAME OF THE NEW PINK ROSE

We have been exhibiting as No. 190, and which has jumped at one bound into premier position as the best forcing rose in sight today. Look it over in the Flower Show!! Come up and see it growing — and convince yourself.

"CARNATIONS"

COMMODORE, NORTHPORT, SALMON QUEEN and ENCHANTRESS SUPREME. All splendid varieties in their respective colors.

"CHRYSANTHEMUMS"

Yes! Our usual list of Wells-Pockett Novelties, also a list of Novelty Singles, such as Josephine, Joan Edwards, etc., etc.

CHARLES H. TOTTY

MADISON, N. J.

Obituary.

R. G. Pierce.

After a long illness, R. G. Pierce, florist, 810 Summit street, Oregon City, Ore., died on Oct. 12, aged 63 years. He was a native of New Jersey.

William F. A. Kendel.

William F. A. Kendel, younger member of the firm of A. C. Kendel, seedsman, 2010 Central avenue, Cleveland, Ohio, died on October 22. The business will be continued by C. E. Kendel without change of name.

Charles W. Reimers.

On Oct. 15, Charles W. Reimers, florist, of Louisville, Ky., died after several months illness, aged 60 years. He was born in New York and had lived in Louisville for about forty years. His wife and one brother survive him.

L. P. Walz.

L. P. Walz, manager of the Seattle Cut Flower Exchange, 1608 Second avenue, Seattle, Wash., died suddenly on Oct. 16, aged 53 years. He was manager of the H. Harrington Co. where they first began business and later opened a store on Second avenue.

August Balluf.

August Balluf, associated with the Chicago trade in various capacities for a number of years, passed away at Cook County Hospital, October 23rd. The funeral took place from the Western Casket Co.'s rooms, October 25th and interment was in Oakwood's Cemetery. He leaves a wife and two sons.

John Spinier.

By the death of this gentleman the country loses one who has done a great work among the school children. In 1896 he joined the Agricultural Department of Cornell University. Since then he has been engaged in his work amongst the children. Nature study classes were introduced into the public schools mainly through his efforts. His death occurred at the Ithaca Hospital on Oct. 24th.

DETROIT NOTES.

John Breitmeyer's Sons have out invitations for their annual fall opening and chrysanthemum show, November 7 and 8.

Trade is moving along nicely and all branches of the retailers' work are liberally patronized. The automobile has discredited a most valuable decorative material because everybody seems to journey in the country to gather fall foliage.

We all regret to see Mr. Davis, for many years head gardener of the large Newberry estate, leave us, because of the great work his untiring energy has done for horticulture and the local club. He will go to Sidney, Australia to found a new home.

Hallowe'en has brought out many attractive window decorations. Somewhat different from others is the window of Mr. Fettes, who after arranging a background of corn, has a number of pumpkins cut out in various forms. These are lit up and decorated with corn in the shock and fruits of all kinds, producing very artistic arrangements.

WASHINGTON NOTES.

Fred H. Kramer has returned from a business trip to New York.

Thousands of people are this week visiting the propagating gardens of the Department of Agriculture. Over 160 varieties of chrysanthemums are being shown, among them several new ones.

The Pennock-Meehan Company's new building at 1216 H street, N. W., has been completed and the firm is this week taking possession of it.

Gude Bros. Company have purchased a large tract of land at Mt. Olivet and Bladensburg roads, immediately adjoining the property they purchased some years ago from the American Rose Company. On the new property is a 12-room house, which will be occupied by the superintendent, and a large power house. In addition, greenhouses will be erected for the growing of roses.

The newly established horticultural board of the Department of Agriculture, is holding hearings at which a number of New England nurserymen are appearing, with a view to deciding whether or not the shipment of Christmas trees into adjacent states will cause a spread of the gypsy and brown-tail moth and other plagues, and to formulate certain domestic quarantine laws and rules that will tend to minimize such dangers.

Several untimely frosts in Belgium have badly injured the azalea buds and incoming shipments are much reduced in consequence. Some growers managed to give adequate protection to their plants but, on the whole, no salable stock is left anywhere for the late comers.

CHRYSANTHEMUMS

\$8.00-25.00 per 100.

Our growers are strong on the mid-season varieties, and they include all the best of the season.

Pompons

\$3.00, \$5.00 per dozen bunches. In great variety of colors. Liberal sized bunches.

Cattleyas and Gardenias

A fresh supply every morning.

Business Hours: 7 A. M.—8 P. M.

The Leo Niessen Co.

WHOLESALE FLORISTS
N. W. Corner 12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

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FOR
FLORIST'S
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THOSE
MADE
BY THE

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66 PEARL ST. BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

HOERBER BROS.

Wholesale Growers of
Cut Flowers

WE GROW BRIDES

Greenhouses at
Des Plaines, Ill.

162 N. Wabash Ave.
CHICAGO, ILL.

POEHLMANN BROS. CO.

Cut Flowers All the Year Round

33-35-37 RANDOLPH STREET,
Greenhouses, Morton Grove, Ill.

CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	CINCINNATI October 15	DETROIT October 22	BUFFALO October 29	PITTSBURGH October 22
Am. Beauty, Fancy and Special.....	15.00 to 25.00	20.00 to 25.00	15.00 to 20.00	25.00 to 30.00
" " Extra.....	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00	15.00 to 20.00
" " No. 1.....	6.00 to 10.00	10.00 to 15.00	6.00 to 10.00	8.00 to 10.00
" " Lower Grades.....	3.00 to 6.00	4.00 to 10.00	2.00 to 6.00	4.00 to 6.00
Killarney, Richmond, Maryland.....	2.00 to 6.00	4.00 to 8.00	2.00 to 6.00	4.00 to 6.00
Bride, Maid.....	2.00 to 6.00	4.00 to 8.00	2.00 to 6.00	4.00 to 6.00
Hillingdon, Ward, Melody.....	2.00 to 8.00	4.00 to 8.00	3.00 to 6.00	4.00 to 10.00
Taft, Sunburst.....	2.00 to 6.00	4.00 to 8.00	3.00 to 8.00	4.00 to 10.00
Carnations.....	.50 to 2.00	1.00 to 3.00	1.00 to 2.50	1.50 to 2.50
Cattleyas.....	..... to 50.00	..... to 50.00	50.00 to 60.00	50.00 to 60.00
Lilies, Longiflorum.....	10.00 to 12.50	12.50 to 15.00	10.00 to 12.50	8.00 to 10.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Violets.....	..... to .25	..... to .50	..... to .60	..... to .50
Chrysanthemums, Fancy.....	20.00 to 25.00	30.00 to 40.00	15.00 to 20.00	15.00 to 20.00
" " Ordinary.....	8.00 to 15.00	10.00 to 25.00	8.00 to 12.00	6.00 to 12.00
Daisies.....	..... to .....	..... to .....	..... to .....	..... to 1.00
Sweet Peas.....	..... to .25	..... to .....	..... to .....	..... to
Gardenias.....	..... to .....	..... to	20.00 to 25.00	..... to
Adiantum.....	..... to 1.00	1.00 to 1.50	1.00 to 1.25	1.00 to 1.25
Smilax.....	10.00 to 12.50	12.50 to 15.00	..... to 15.00	10.00 to 15.00
Asparagus Plumous, Strings (100).....	35.00 to 40.00	15.00 to 35.00	40.00 to 50.00	40.00 to 50.00
" " & Spren. (100 bchs.).....	25.00 to 35.00	15.00 to 35.00	25.00 to 35.00	40.00 to 60.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

CHICAGO CARNATION COMPANY

A. T. PYFER, Manager

30 East Randolph Street,

CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

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CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

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24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 884. 316 Walnut St., Cincinnati.

BONNAFFON

Our growers are now in with large crops of this superb, all round Chrysanthemum; splendid flowers, quality as good if not better than any we have had in previous years; an unlimited supply to draw from.

Good medium grade, \$8.00 to \$10.00 per 100
The very choicest, \$15.00 to \$20.00 per 100

POMPONS: choice varieties; large bunches, \$3.00 per doz.; **Medium Bunches**, \$1.50 and \$2.00 per doz., bunches.

VALLEY: Special, \$4.00 per 100; Extra, \$3.00 per 100.

CATTLEYAS: splendid dark flowers, \$6.00 per doz.; \$40.00 per 100.

DENDROBIUM FORMOSUM: (white), \$6.00 per doz.; \$40.00 per 100.

DENDROBIUM PHALAENOPSIS: Magnificent sprays, \$8.00 to \$10.00 per 100 flowers.

HEADQUARTERS FOR GREENS

WILD SMILAX: \$5.00 per case.

GREEN GALAX: \$1.50 per 1,000; \$7.50 per 10,000.

BRONZE GALAX: \$1.00 per 1,000; \$6.00 per 10,000.

LEUCOTHOE SPRAYS (green): \$1.00 per 100; \$7.50 per 1,000.

GREEN SHEET MOSS: \$3.50 per bag.

SPHAGNUM MOSS: Ten bbl. bales, nicely burlapped, each, \$1.00; 5 bale lots, \$3.75 each; 10 bale lots, \$3.50 each; 25 bale lots, \$3.25 each.

MEXICAN IVY: \$1.00 per 100; \$7.50 per 1,000.

RIBBONS AND SUPPLIES: Many new patterns in exclusive Ribbons. Write us for prices on these and on Supplies



S. S. Pennock-Meehan Co.
THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA
1608-1620 Ludlow Street

NEW YORK
117 West 28th Street

WASHINGTON
1212 New York Avenue

Flower Market Reports

BOSTON The market has been well stocked with nearly everything this week. Roses are plentiful and cheap, the best sellers being Killarney Queen and double White Killarney, Russell and Cardinal. Lily of the valley is selling well. Carnations are of good quality, stems longer, flowers larger, and demand good. Violets are plentiful, both single and double. Chrysanthemums are in excellent condition and of fine quality, Bonnaffon being most in demand.

BUFFALO Fall business was going at a good clip until Wednesday last when a cold drizzling rain set in for three days and gave a set-back. The merchants having no buying spirit it was up to the wholesaler to carry a little surplus for the time being, especially in the rose line which saw a good adding up. Chrysanthemums were not too plentiful and there was very little to carry along except cleanings of the early varieties. Bonnaffon is bad, also Josephine, and yellow were in fair supply. Mrs. Weeks was in poor quality, Halliday almost gone, white and pink Ivory coming on though small and the best pink being Pacific Supreme. Pompoms are in good supply, fine varieties and have moved satisfactory. There are still dahlias and cosmos, but demand is lacking. Other stock plentiful and no shortage exists. Violets had no life and remained with the merchants.

CHICAGO Warm Indian summer weather prevails and stock is being hurried on rapidly. Chrysanthemums are in the lead with many wholesalers and

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON October 31		CHICAGO October 22		ST. LOUIS October 29		PHILA October 29	
ROSES								
Am. Beauty, Fancy and Special....	15.00	to 25.00	15.00	to 25.00	15.00	to 25.00	25.00	to 35.00
" " Extra	15.00	to 25.00	15.00	to 25.00	15.00	to 25.00	15.00	to 25.00
" " No. 1	8.00	to 10.00	8.00	to 10.00	8.00	to 10.00	8.00	to 10.00
" " Lower Grades	1.00	to 4.00	5.00	to 10.00	3.00	to 4.00	3.00	to 6.00
Killarney, Richmond, Maryland....	1.00	to 6.00	5.00	to 10.00	2.00	to 6.00	2.00	to 8.00
Bride, Maid	1.00	to 4.00	5.00	to 8.00	2.00	to 4.00	.....	to
Hillingdon, Ward, Melody	1.00	to 6.00	5.00	to 10.00	3.00	to 6.00	3.00	to 8.00
Taft, Sunburst	1.00	to 6.00	5.00	to 8.00	4.00	to 8.00	4.00	to 12.00
Carnations .....	.75	to 1.50	1.50	to 4.00	1.00	to 2.00	1.00	to 3.00
Cattleyas	35.00	to 50.00	35.00	to 50.00	50.00	to 60.00	2.00	to 40.00
Lilies, Longiflorum	4.00	to 8.00	12.50	to 15.00	12.00	to 15.00	10.00	to 12.50
Lily of the Valley	2.00	to 4.00	3.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Violets .....	.40	to .50	.75	to 1.00	.25	to .35	.20	to .50
Chrysanthemums, Fancy	12.00	to 25.00	25.00	to 35.00	15.00	to 25.00	10.00	to 25.00
" " Ordinary	4.00	to 8.00	15.00	to 20.00	8.00	to 10.00	5.00	to 10.00
Daisies	1.00	to 1.50	1.50	to 1.50	.50	to .75	.50	to .75
Sweet Peas	50	to 75	75	to 1.00	.....	to .....	.35	to .50
Gardenias	12.00	to 20.00	25.00	to 35.00	.....	to	6.00	to 25.00
Adiantum	1.00	to 1.00	.75	to 1.00	1.00	to 1.25	.....	to 1.00
Smilax	10.00	to 12.00	12.00	to 20.00	12.00	to 15.00	15.00	to 20.00
Asparagus Plumosus, Strings (100)....	50.00	to 50.00	40.00	to 60.00	35.00	to 50.00	40.00	to 50.00
" " & Sprn. (100 Bchs.)....	25.00	to 50.00	35.00	to 50.00	15.00	to 25.00	40.00	to 50.00

for the first time this season the supply has been equal to the demand. All the mid-season varieties are now in and the pompoms are coming in quantity. These are growing in favor each year, retailers claiming they are easier to sell than the larger blooms for they can be used in so many more ways. Beauties are not bringing so high a price as last week. All kinds of roses are to be had in sufficient quantity and carnations may be safely relied upon to fill the largest orders. Eastern violets are naturally affected by the warm weather and shipments are more or less affected. Vines are in remarkably good condition out of doors, no killing frost having occurred at this writing.

CINCINNATI The various decorations at the cemeteries for All Saints' and All Souls' Day brought with it a demand that was much better than at any time during the past fortnight. Many of the growers who cater to the trade at these cemeteries on these par-

ticular days have held their stock for the better prices there; as a result, the supply in the wholesale houses has been decreased to marketable proportions. This also served to make room for increased shipments of roses. These are in good supply and of A1 quality. The offering in each variety is complete in every respect. Chrysanthemums now enjoy the active demand. Good, medium-sized stock has no trouble in finding a market. Among the other flowers now offered are callas and double violets. As a whole, business is more satisfactory, with prospects of it continuing to hold up nicely.

WASHINGTON There is plenty of stock in the market, of all kinds but there is little or no demand for the greater part of it. The several large football games held here weekly are increasing the demand for chrysanthemums.

Continued on P. 6

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
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All choice cut-flowers in season. Send for
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107 W. 28th Street, NEW YORK
Call and inspect the Best Establishment
in the Wholesale Flower District.

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Simple methods of correct accounting
especially adapted for florists' use.
BOOKS BALANCED AND ADJUSTED
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Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe,
Preserved and Fresh Cut
Cycas and Palmetto.
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REED & KELLER
122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.

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Wholesale Commission Florist SELLING AGENT FOR
LARGEST GROWERS
A full line of Choice Cut Flower Stock for all purposes. The HOME OF THE LILY
by the 100, 1000 or 10,000
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CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3832-3533 Madison Square

Established 1887 **J. K. ALLEN** Still Going Strong
OLDEST IN YEARS BUT UP-TO-DATE IN SERVICE
Cut Flower Consignments Solicited.
A SQUARE DEAL. PROMPT RETURNS. MONEY ALWAYS READY.
106 WEST 28TH ST., NEW YORK
Open 6 A. M. daily. Telephone, 167 and 4468 Mad. Sq.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Tel. 759, 55 W. 28th St., New York
Mad. Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Oct. 26 1912		First Half of Week beginning Oct. 28 1912	
American Beauty, Fancy and Special	10.00	to 20.00	10.00	to 20.00
" " Extra	6.00	to 8.00	6.00	to 8.00
" " No. 1	2.00	to 5.00	2.00	to 5.00
" " Lower Grades .....	.50	to 1.50	.50	to 1.50
Killarney, Richmond, Maryland .....	.25	to 4.00	.50	to 4.00
Bride, Maid .....	.50	to 4.00	.50	to 4.00
Hillingdon, Ward, Melody .....	.50	to 6.00	.50	to 6.00
Tait, Sunburst .....	.50	to 10.00	.50	to 8.00
Carnations .....	.50	to 1.50	.50	to 1.50

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones {1664} Madison Square {1665}
CONSIGNMENTS SOLICITED

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF
THE FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
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WOODROW & MARKETOS
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Plantsmen and Florists
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Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq.

HENRY M. ROBINSON, Pres. MAURICE L. GLASS, Treas.
CHAS. E. ROBINSON, V. Pres. JOSEPH MARGOLIS, Sec'y
HENRY M. ROBINSON CO.
OF NEW YORK
Wholesale Florists
Maurice L. Glass, Manager
55-57 WEST 26th ST. - - - NEW YORK CITY
Special Attention to the Shipping Trade

THE ALBANY CUT FLOWER EXCHANGE

THOS. TRACY, Manager, Albany, N. Y.

WHOLESALE ONLY

All seasonable CUT FLOWERS, FLORISTS' SUPPLIES AND GREEN GOODS furnished at short notice. We are sales agents for several large cut flower growers in this vicinity.

We intend to make this city a distributing point, not only for the florists in Albany, but also for those engaged in business in New York State, Vermont and Western Massachusetts.

Orders will be PROMPTLY FILLED and at a REASONABLE MARKET PRICE.

SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US

TELEPHONE CONNECTION



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS
Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers

Flower Market Reports

(Continued from page 613)

There is a decided change for the better in the market this week. There is not that great surplus of almost everything that has had to be recorded of late, and although prices have not much advanced our wholesale men seem to be altogether on better terms with themselves. Trade in the retail stores is now brisk owing no doubt to the return from the country and abroad of many New Yorkers.

The past week has been a fairly satisfactory one taking into consideration the time of the year.

Beauties not very plentiful and selling up in good shape; prices holding firm. Richmonds more plentiful, quality good. Killarneys very plentiful and quality of some is very good while there is also some poor stock coming in. The color the last few days has been off quite a little, the Marylands being much better color than the Pink Killarneys. White Killarneys are very

good particularly the Double White, which have been showing up as fine as at any time so far this season. Taft is still selling well, probably better than any other one rose coming to the Philadelphia market. The yellows, particularly Sunburst, are selling in good shape. Sunburst is a very promising rose and is meeting with universal favor with the retailers, although the others, Mrs. Aaron Ward and Hillingdon are holding their own and selling well. Irish Fire Flame as a novelty is a decided success.

Carnations are moving in fair shape prices low, quality probably not as good as it should be at this time of the year on account of the warm weather which we have had. Stems on a good many varieties are quite short, in fact, shorter than they should be, the Wards and Pink Delight being about the only good long stemmed ones.

Gardenias are in much shorter sup-

ply than they were a couple of weeks ago. Lily of the valley is still plentiful but moving well.

Cattleyas are very plentiful and prices low although at times there are

(Continued on page 620)

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

MONTREAL FLORAL EXCHANGE, LTD.

ORGANIZED FOR THE BENEFIT OF THE CANADIAN TRADE.

CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION.

Home-grown Stock a Specialty. STRICTLY WHOLESALE; NOTHING SOLD AT RETAIL.

Ample reference furnished as to standing and financial ability of the company.

123 MANSFIELD STREET, MONTREAL, P. Q.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Oct. 26 1912		First Half of Week beginning Oct. 28 1912	
Cattleyas.....	20.00	to 35.00	15.00	to 35.00
Lilies, Longiflorum.....	3.00	to 4.00	2.00	to 4.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Violets.....	.15	to .35	.15	to .35
Chrysanthemums, Fancy.....	8.00	to 25.00	8.00	to 25.00
" Ordinary.....	2.00	to 6.00	2.00	to 6.00
Daisies.....	.....	to 2.00	.....	to 2.00
Sweet Peas.....	1.00	to 2.00	1.00	to 2.00
Gardenias.....	4.00	to 20.00	4.00	to 15.00
Adiantum.....	.....	to .50	.....	to .50
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings (per 100).....	.....	to 25.00	.....	to 25.00
" & Sprn (100 bunches).....	8.00	to 12.00	8.00	to 12.00

GALAX

Fine Quality of Brilliant Bronze and Green Galax, 40c. per 1000; \$3.00 per case of 10,000.

A-1 Dagger and Fancy Ferns, 75 cents per 1,000.

Laurel Festooning, 4 cents per yard.

Bunch Laurel, 25 cents per bundle.

All other Evergreens at lowest prices. Write, Wire or Telephone.

MILLINGTON FERN CO.
MILLINGTON, MASS.

Telegraph Station, New Salem, Mass.

Give our Customers' Cards or reference.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 40 State St., Boston.
For page see List of Advertisers.

APHINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

AQUATICS

To Close for Cleaning Pool, 20% for Cash With Order.

Water hyacinths, the oddest, most beautiful and valuable plants; extra strong, in the finest condition; \$5.00—100, \$35.00—1000; second grade, \$3.00—100, \$18.00—1000. Blooming water hyacinths make leaders at 25c. retail. Cash, please. Texas Nursery & Floral Co., Box 178 Alvin, Tex.

ARAUCARIAS

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

Asparagus Plumosus, 2½ inch, 2c.; 3 inch, 3c. Sprenger, 2½ inch, 1½c.; 3 inch, 2½c. Hill Top Greenhouses, Utica, N. Y.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Loechner & Co., New York, N. Y.
For page see List of Advertisers.

BAY TREES

Henry A. Dreer, Inc., Philadelphia, Pa.
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McHutchison & Co., 17 Murray St., N. Y.
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Bobbink & Atkins, Rutherford, N. J.
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August Roelker & Sons, 31 Barclay St., New York.
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Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.
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R. Vincent, Jr., & Sons Co., White Marsh, Md.
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BEGONIAS

J. A. Peterson & Sons, Cincinnati, O.
Glory of Cincinnati.
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BERBERIS THUNBERGII

100,000 Berberis Thunbergii, from 6 in. to 2½ ft., and new seed of same; also Clematis paniculata, 1, 2 and 3-yr. old, and new seed. Get my prices. Benj. Connell, Florist, Merchantville, N. J.

BOXWOOD TREES

Bobbink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees, all sizes. Ask for special list.

BOILERS

Kroeschell Bros. Co., 468 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.

BOXES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BULBS AND TUBERS

J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Michell's Seed House, Philadelphia, Pa.
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Ralph M. Ward & Co., 71 Murray St., New York.
Horseshoe Brand Lilies and French Bulbs.
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James Vick's Sons, Rochester, N. Y.
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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fliske, Rawson Co., Boston, Mass.
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O. V. Zangen, Hoboken, N. J.
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Weeber & Don, New York, N. Y.
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R. & J. Farquhar Co., Boston, Mass.
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Bulbs of all descriptions. Write for prices. C. Keur & Sons, Hillegom, Holland.
New York Branch, 31-33 Broadway.

CANNAS

THE IMPROVED CANNAS.

You can double your profits by stocking up with the new cannas. Be sure to get our list before you place your order. The Conard & Jones Company, West Grove, Penna.

CAPE JASMINE

Cape Jasmine, fine cuttings, 8 inch and over, ready for rooting; 100 \$1.00, 1000 \$8.00, prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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B. G. Merritt & Co., Grange, Md.
Field-Grown Carnations.
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Kretschmar Bros., West Nyack, N. Y.

Chas. H. Totty, Madison, N. J.
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CHRYSANTHEMUMS

S. S. Pennock-Meehan Co., Phila., Pa.
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Chas. H. Totty, Madison, N. J.
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Stock Plants, Smith's Advance 'Mums, 75c. per doz., \$5.00 per 100. Peirce Brothers, Waltham, Mass.

Chrysanthemum stock plants of Unaka and Smith's Advance, \$5.00 per 100; Chrysanthemum, best early yellow, 2 in. pots, \$6.00 per 100. Cash with order. Wm. Tucker, Arlington, N. J.

CHRYSANTHEMUMS—Continued

CHRYSANTHEMUM, THE. By A. Harrington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 160 pages. Price 50 cents.
Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
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Bergensfield Nurseries, Bergenfield, N. J.
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Cyclamen, large plants, 3 inch, \$4.00 per 100. Hill Top Greenhouses, Utica, N. Y.

Cyclamens, 3-inch pots, \$10.00 per 100; \$30.00 per 1000. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

East Bridgewater Dahlia Gardens are the largest and most up-to-date in America. Over 850,000 field clumps to offer at right prices. Be sure and send your wants to J. K. Alexander, The Eastern Dahlia King, East Bridgewater, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Elmer D. Smith & Co., Adrian, Mich.
Fertilizer.
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Stumpp & Walter Co., New York, N. Y.
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Wizard Brand Cattle Manure.

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- John Scott, Brooklyn, N. Y.
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- Robert Craig Co., Philadelphia, Pa.
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- Frank Oechslein, 4911 Quincy St., Chicago.
Ferns for Dishes.
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- F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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- Fern runners, fine stock Boston, Whitman, Amerpohl, Springfield, \$1.80 per 100, \$15.00 per 1000. Roosevelt runners, very fine, \$6.00 per 100, \$50.00 per 1000. Roosevelt, 4-inch, \$15.00 per 100, 5-inch, \$25.00 per 100. Asparagus Plumosus, 4-inch, handsome stock, \$8.00 per 100. 50,000 sq. ft. of glass at Cleveland, O., devoted exclusively to ferns. I have the best stock to be had anywhere. Prices are low, for cash only. Schneider, Florist, Springfield, O.

FLORISTS' ENCYCLOPEDIA FREE

- M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

- Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
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- H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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- M. Rice & Co., 1220 Race St., Phila., Pa.
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- Reed & Keller, 122 W. 25th St., New York.
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- S. S. Pennock-Meehan Co., Philadelphia, Pa.
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- H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.
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- A. H. Hews & Co., Cambridge, Mass.
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- Hilfinger Bros., Ft. Edward, N. Y.
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- Syracuse Pottery Co., Syracuse, N. Y.
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FOR EXCHANGE

- To exchange for cash or violet clumps (Mary Louise preferred), 'Imms' 200 stock plants, Pacific Supreme; 50 Smith's Advance, 50. Pansy plant, transplanted, \$5.00 per 1,000. Pyrethrum, Kelway's Giant, single, hardy, mixed color, clumps, 50. Coleus, fine, mixed, \$5.00 per 1,000. Primula malacoides, Giant Baby, and Kewensis, a fine yellow, 2 in. 1 pc. D. W. Leatherman, Anderson, Ind.

FORGET-ME-NOTS

- Forget-me-nots from greenhouse grown seed, sure for Christmas; strong 2 1/2 in. plants, extra early, continuous bloomer, \$2.50 per 100; \$20.00 per 1000. Cash. B. B. Pohlmann, 645 Chapin, Rockford, Ill.

FUNGINE

- Aphine Mfg. Co., Madison, N. J.
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GALAX

- Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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- Kervan Co., New York.
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- Millington Fern Co., Millington, Mass.
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GERANIUMS

- R. Vincent, Jr., & Sons Co., White Marsh, Maryland
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- Geraniums. Nutt, Buchner, Grant, Doyle, \$12.00 1000. Poitevine, Ricard, Hill, Castellane, finest red, \$1.50 100; \$14.00 1000. Stock plants, \$30.00 1000. Cash. Port Allegany Greenhouses, Port Allegany, Pa.

- NEW GERANIUM "HELEN MICHELL."**
The best clear scarlet Bedding Geranium ever offered. See Adv., page 384. 2 1/4 in. plants (ready from January, 1913), \$2.50 per doz.; 100, \$15.00; \$125.00 per 1000. Orders Booked Now.

- MICHELL'S SEED HOUSE,
Philadelphia, Pa.

GLADIOLUS

- John Lewis Childs, Flowerfield, N. Y.
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- A. Henderson & Co., Chicago, Ill.
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- Groff's Hybrids, red shades, 1 in. \$2.00, 3/4 in. \$1.50, 1/2 in. \$1.00 per 100; bulbets, \$1.00 per quart. Clark W. Brown, Ashland, Mass.

GLASS

- Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.
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- Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.
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- Parshelsky Bros., Inc., 215-217 Havermeyer St., Brooklyn, N. Y.
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- Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

- H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GREENHOUSE BUILDING MATERIAL

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- Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
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- Frank Van Assche, Jersey City, N. J.
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- S. Jacobs & Sons, Brooklyn, N. Y.

- Lord & Burnham Co.,
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GREENHOUSE CONSTRUCTION

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- Charles H. Dodd, Jersey City, N. J.
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- Wm. H. Lutton, Jersey City, N. J.
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- Pierson U-Bar Co., Madison Ave., New York.
Designer and Builder.

- Hitchings & Co., 1170 Broadway, N. Y.
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HAIL INSURANCE

- Florists' Hall Asso. of America.
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- Michigan Cut Flower Exchange,
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Standard Insecticide.
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- Interstate Tobacco Co., New York, N. Y.
"Tip Top" Tobacco Powder.
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- Benjamin Hammond, Fishkill-on-Hudson, N. Y.
Slug Shot.
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- Kentucky Tobacco Product Co.,
Louisville, Ky.
Nico-Fume.

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In writing to Advertisers kindly mention Horticulture

JAPANESE LILIES

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August Roelker & Sons, 31 Barclay St., N. Y.
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Fursts' Nurseries, Brussels, Belgium.
Send for Catalogue.
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John Waterer & Sons, Ltd., Bagshot, Eng.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

**TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.**
Ellwanger & Barry, Rochester, N. Y.

SHRUBBERY

There are bargains to be had here in
such varieties as Spirea, Altheas, Weigelas
and Philadelphus, and this names only a
few. We have acres of shrubs, well grown
and ready for you. Write for price list.
The Conard & Jones Company, West Grove,
Penna.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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Jullus Roehrs Co., Rutherford, N. J.
Hybrid Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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ORCHID GROWERS' MANUAL

By B. S. Williams, 300 illustrations, 800
pages; descriptions of upwards of 2500
species and varieties of orchidaceous
plants, etc. The most complete work on
Orchids and Orchid Culture ever pub-
lished. Price \$10.00.
Orders filled by HORTICULTURE, 11
Hamilton Place, Boston.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries,
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

Peonies. The world's greatest collection,
1200 sorts. Send for list. C. Betscher,
Canal Dover, O.

PLANT AND BULB IMPORTS

August Roelker & Sons, New York, N. Y.
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McHutchison & Co., 17 Murray St., N. Y.
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PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

Plant Trellises and Stakes. P. A. Angler
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PLANT TUBS

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"Riverton Special."
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIMULAS

Malachoides, strong 3½ in., ready for
5 in., \$7.00 per 100. Israel Quint, 125 Wal-
nut Ave., Roxbury, Mass.

Primroses, Chinese and Obconica, fine
large plants, 2¼ inch, \$1.50 per 100; 3
inch, \$2.50 per 100. Hill Top Greenhouses,
Utica, N. Y.

PRIVET

Franklin Davis Nursery Co., Baltimore, Md.
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California Privet, well grown, 2-year-old
plants, from 12 inches to 3 feet; well fin-
ished plants, well graded and well packed.
Also one and two-year-old Ampelopsis
Veltchii. For prices and particulars ad-
dress Charles Black, Hightstown, N. J.

RAFFIA

McHutchison & Co., 17 Murray St., N. Y.
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Grass Seed.
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SEED PACKETS.

Brown Bag Filling Machine Co., Fitchburg, Mass.
For page see List of Advertisers.

SHEEP MANURE

Wm. Elliott & Sons, 42 Vesey St.,
New York, N. Y.
For page see List of Advertisers.

SLUG SHOT

B. Hammond, Fishkill-on-Hudson, N. Y.
For page see List of Advertisers.

SPHAGNUM MOSS

J. H. Sprague, Barnegat, N. J.
For page see List of Advertisers.

Sphagnum Moss, large bales. Green Moss in bbls. Laurel Bunches and Broken Laurel. James Day, Milford, N. H.

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

STOVE PLANTS

Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

TIP TOP TOBACCO POWDER

Interstate Tobacco Co., Inc.,
1397-1399 Ave. A, New York, N. Y.
For page see List of Advertisers.

VENTILATING APPARATUS

Foley Mfg. Co., Chicago.

The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
For page see List of Advertisers.

Quaker City Machine Works,
Richmond, Ind.
20th Century Arm.
For page see List of Advertisers.

VINCAS

Vinca Minor, or grave myrtle, a hardy evergreen trailing plant particularly adapted to covering graves. It is a beautiful dark green, thrives as well in dense shade as in the sun. I have thousands of well rooted outdoor grown plants and rooted runners, \$5.00 per 1000. Samples free by mail. C. M. Webb, Fayetteville, Tenn.

VIOLETS

PRINCESS OF WALES VIOLETS.
Strong, field-grown plants, \$5.00 per 100.

J. W. TULLOCH,
Danvers, Massachusetts.

VIOLETS (Flowers)

L. P. Schaeffer, Barrytown, N. Y.
For page see List of Advertisers.

WIRED TOOTHPLICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works,
38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 112 Arch St. and
31 Otis St.

For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

Peter Reinberg, 37 Randolph St.
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St.
For page see List of Advertisers.

Chicago Flower Growers' Association,
176 N. Michigan Ave.
For page see List of Advertisers.

Chicago Carnation Co., 30 E. Randolph St.
For page see List of Advertisers.

Hoerber Bros., Chicago, Ill.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co.,
316 Walnut St.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.
For page see List of Advertisers.

Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

New York

M. C. Ford, 121 W. 28th St., New York
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York
For page see List of Advertisers.

E. C. Huran, 55 W. 28th St., New York.
For page see List of Advertisers.

A. H. Langjahr, 130 W. 28th St., New York.
For page see List of Advertisers.

James McManus, 55 W. 28th St., New York.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St., New York
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Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.

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Moore, Hentz & Nash, 55 and 57 W. 26th
St., New York.

For page see List of Advertisers.

Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.

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Charles Millang, 55 and 57 West 26th St.,
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

W. P. Ford, New York.

For page see List of Advertisers.

Traendly & Schneek, New York, N. Y.
For page see List of Advertisers.

Frank Millang, 55-57 West 26th St.

For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York
For page see List of Advertisers.

Woodrow & Marketos, 41 West 28th St.
For page see List of Advertisers.

Henry M. Robinson Co., New York, N. Y.
For page see List of Advertisers.

WHOLESALE FLORISTS**New York—Continued**

J. K. Allen, New York, N. Y.
For page see List of Advertisers.

A. L. Young & Co., New York, N. Y.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-12
Ludlow St., Philadelphia, Pa.
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Rochester

George B. Hart, 24 Stone St.
For page see List of Advertisers.

New Offers In This Issue**AGENCY ANNOUNCEMENT.**

H. Youell, Syracuse, N. Y.
For page see List of Advertisers.

BAY TREES, SPIREA, ROSES.

Breck-Robinson Nursery Co., Lexington,
Mass.
For page see List of Advertisers.

BURLAP MATS.

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

CHRYSANTHEMUMS.

Leo Niessen Co., Philadelphia, Pa.
For page see List of Advertisers.

CLEVELAND FLOWER SHOW.

Ohio Horticultural Society, Cleveland, O.
For page see List of Advertisers.

**DECORATION DAY AND MAY
FLOWERING TULIPS.**

Arthur T. Boddington, New York, N. Y.
For page see List of Advertisers.

**FORCING GLADIOLUS, COLD
STORAGE LILY OF THE
VALLEY.**

Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

GARDEN SEED.

S. D. Woodruff & Son, New York, N. Y.
For page see List of Advertisers.

IMPROVED PIPE HANGER.

King Construction Co., N. Tonawanda,
N. Y.
For page see List of Advertisers.

**LILIUM LONGIFLORUM AND
CALLAS.**

Yokohama Nursery Co., New York, N. Y.
For page see List of Advertisers.

PELARGONIUMS.

R. Vincent, Jr., & Sons Co., White Marsh,
Md.
For page see List of Advertisers.

PLANT OR FLOWER BASKETS.

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

RETAIL FLORIST.

Alfred T. Bunyard, New York, N. Y.
For page see List of Advertisers.

ROSE MRS. GEORGE SHAWYER.

Charles H. Totty, Madison, N. J.
For page see List of Advertisers.

WHOLESALE FLORISTS.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

WHOLESALE SEED GROWERS.

Hj. Imer Hartmann & Co., Copenhagen,
Denmark.
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In writing to Advertisers kindly mention Horticulture

Flower Market Reports

(Continued from page 615)

big quantities being used but these large orders do not seem to keep down the supply. Good white orchids are selling right up. There are also some Phalenopsis, Oncidium and a few Cypripediums.

Violets, both single and double, are becoming more plentiful, particularly the singles; quality of both good. Hudson River Violets are reaching the market in very good shape considering the weather we have been having.

The early chrysanthemums are practically all over and the mid-season varieties such as Bonnaffons, Charles Razer, Ivories and blooms of that character are now coming in. Bonnaffon is exceptionally good and bringing fair prices although no very fancy figures.

The wholesale market during the last week was in such a shape that any of the retailers could get any amount of stock they needed and at most reasonable prices. Business, too, was good with the retailers. There has been no clean-up reported of late as there was always plenty left over from the day before. Chrysanthemum blooms are coming in strong but the real fancies are not any too many. Roses are very much in evidence and are sold at low prices. Extra fancy hold up. Carnations are also a great many more than can be disposed of, the short stemmed stock are in the great majority. Lilies and lily of the valley are fine and in demand. The weather has been too rainy for fancy violets though they are in plenty just now. The market has a good stock of greens.

CATALOGUES RECEIVED.

Kelly Brothers Nurseries, Dansville, N. Y.—Folder of fruit trees.

Frank E. Rue, Peoria, Ill.—Bulb Catalogue, Autumn, 1912. Also lists nursery stock.

J. Bolgiano & Son, Baltimore, Md.—Bulb Book for 1912. A retail list, attractively gotten up.

Chas. H. Totty, Madison, N. J.—Preliminary List of Novelties in Chrysanthemums, Carnations, Roses, to be distributed in 1913.

United States Nursery Co., Roseacres, Miss.—Field-Grown Roses, Peonies, Japanese Iris, Cannas, Phlox, Shrubbery, etc. Fall 1912-Spring 1913, Wholesale Trade List.

DURING RECESS.

Bowling Scores of Cook County Florists' League.

CARNATIONS.		VIOLETS.	
Lorham,	150 194 136	A. H. Baker,	147 160 154
Lorham,	147 241 136	Jacobs,	156 208 114
Vilber,	153 137 110	Cole,	141 155 152
Armstrong,	125 190 119	Schultz,	177 198 201
A. Zeeb,	198 167 189	J. H. Baker,	145 158 139
ORCHIDS.		ROSES.	
Ross,	134 134 120	Gaerisch,	135 148 137
Graff,	141 191 170	Kreutz,	137 123 154
Cohen,	124 142 134	Stenquist,	129 139 135
Riley,	163 165 123	Price,	155 150 181
J. Zeeb,	176 159 141	Fischer,	180 215 118

NEWS NOTES.

Waco, Tex.—Fire recently damaged the greenhouses of James Mohan, North Ninth street.

Dansville, N. Y.—Kelly Bros., nurserymen, who have heretofore been only growers and jobbers, have gone into the retail business this fall.

SOCIETY OF AMERICAN FLORISTS.

Report of Entomologist.

(Continued from page 442)

The Soft Brown Scale.

Coccus Hesperidum (Linn.).

It is probable that no other species of scale insects infests so many species of plants as this one. It is widely distributed, being found practically all over the world. The adult female varies somewhat in color from red brown to dark brown, or almost black. The insect is viviparous. The young after remaining under the body of the female for several days crawl out and establish themselves upon the leaves or stem. In greenhouses, breeding is continuous, several generations being produced in a year.

The scale is usually accompanied by a black fungus growth which grows upon the honey dew secreted by the insect, giving to the surface of the infested leaves a dirty appearance.

Some of the food plants are Begonias, Crotons, Palms, Ficus, Cyclamens, Anthuriums, all Citrus plants, Euonymus, Roses, etc. It is controlled by applications of soap solutions.

The Olive Scale.

Saissetia Olese (Bern.).

The Olive Scale is another very common species, although it does not have so many food plants as the former species. In warm climates it is an outdoor pest of Citrus plants, causing much injury to Citrus fruit in California and Florida.

In temperate regions it only occurs in greenhouses.

The Olive Scale is quite large, an adult female varying from a height of 1 to 3 mm.; length, $2\frac{1}{2}$ to $5\frac{1}{4}$ mm.; width, 2 to 4 mm. The color is dark brown to almost black. The female lays from 1000 to 2000 eggs and it usually requires nearly a year (about 10 months) to reach maturity. Similar to the Soft Brown Scale, this insect secretes honey dew which serves as a host for a sooty fungus, which develops on infested plants.

This scale attacks Citrus plants and palms, but will also be found on Oleander, Ficus, Euonymus, etc. It is likewise controlled in greenhouses by spraying or washing the infested plants with a strong, soapy solution.

The Oleander Scale.

Aspidiotus Hederae.

This is the most common of the armoured scale insects found upon greenhouse plants. Differing from the former scales, the insect itself is beneath a circular, slightly convex, pale-orange colored scale, made up of exuvia and molts given off by the insect. The scale is about a millimeter in length and width.

Eggs are deposited beneath the female scale, and hatch in a few hours, the young settling either on leaves or stems. The time required to complete its life history is about 80 days, so that in a greenhouse, several generations are produced within a year.

The Oleander Scale may be found attacking a variety of plants, including Oleander, Cycads, Palms, Citrus trees, Orchids, Cyclamens, etc. It is controlled by treating with a contact wash.

The Euonymus Scale.

Chionaspis Euonymi (Comstock).

This scale insect is the most serious

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED—Experienced florist and decorator to take charge of an established business. Permanent position at good salary for properly qualified person. Applications must state references. L. R. P., P. O. Box 345, Richmond, Virginia.

SEEDSMEN WANTED—Young men for both Vegetable Seed and Flower Seed Departments; mention age, experience, salary and reference. Peter Henderson & Co., 35 and 37 Cortland Street, New York City.

SITUATIONS WANTED

SITUATION WANTED by first-class decorator and general store man. Past five years with Small & Sons at the Waldorf. Address, G. R. Lawrence, 217 West 68th St., New York City.

POSITION in small private place, gardening, dairy, coachman and general work. John Toosey, General Delivery, Hyde Park, Mass.

FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Parshesky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE; several thousand feet of double thick greenhouse glass 10 x 15, second hand, clean and good as new; also one thousand feet 4 in. cast iron pipe and one Hitchings No. S-16 greenhouse boiler, very low price for cash and immediate delivery. F. E. Palmer, Brookline, Mass.

insect pest of the various species and varieties of Euonymus in the Eastern United States. In fact, these plants are so likely to be attacked by this pest that they are being abandoned for decoration plants by many gardeners. It is a greenhouse pest, only when some varieties of Euonymus are grown in pots or otherwise.

The scale of the female is dark brown, of heavy texture, convex and broader posteriorly. It is about 2 mm. in length. The insect is very prolific. Under outdoor conditions eggs hatch about May 15th to June 1st. There are at least two broods each season and a probable third one in Southern States or under greenhouse conditions.

It is best controlled by spraying with Kerosene Emulsion just as eggs are hatching.

The Circular Scale.

Chrysomphalus Aonidum (Linn.).

This is probably the most common armoured scale found in greenhouses. It is widely distributed; in semi-tropical regions it is a serious pest of outdoor plants.

An adult female scale is comparatively large, circular, quite convex with a nipple-like prominence in the center, which is grayish and surrounded by a reddish-brown ring. The young scale differs from the armoured scales in that it does not remain fixed after it begins secreting its scale covering. The life cycle of the insect may be completed under greenhouse conditions in from 60 to 70 days, therefore, there may be about six generations during a year. This scale attacks Palms, Cycads, Ficus, Oleander and Citrus plants. It is controlled by treatment with strong soapy solutions.

(To be Continued.)

Tobacco Paper "NICO-FUME" LIQUID

IS THE
STRONGEST,
BEST PACKED,
EASIEST APPLIED.

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

**Furnishes the
Most Nicotine for the Money**

MANUFACTURED BY
THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

OVER 40% NICOTINE
By far the
CHEAPEST.

JUST NOTE PRICE!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

LEMON OIL CO'S STANDARD INSECTICIDE

Guaranteed under the Insecticide Act, 1910. Serial No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, etc. without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

½ Pint - - 25c; Pint - - 40c; Quart - - 75c
½ Gallon, \$1.25; Gallon, \$2.00; 5 Gallon Can, \$9
10 Gallon Can - - \$17.50

Dilute with water 30 to 50 parts

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct

Lemon Oil Company Dept. K
420 W. Lexington St., Baltimore, Md.
Directions on every package

Imp Soap Spray

Effective one to thirty-two.
Single gallons, \$1.50

Eastern Chemical Company
BOSTON

READ THIS

You will need to buy something this fall—stock, supplies, equipment, etc., for store or greenhouse. Look through the Buyers' Directory and List of Advertisers in this paper and you'll probably find what you want listed there. We are proud of the fact that HORTICULTURE is recognized as the best paper of its class in this country in quality of reading matter and also of the fact that it is coming to be acknowledged as the best advertising medium. The best friends of HORTICULTURE are those who buy from HORTICULTURE'S advertisers whenever possible and, in corresponding with the dealers always take the trifling trouble to refer to the paper. We have many such friends, otherwise our advertising columns would soon be deserted. Don't forget to do your part.

CLAYS FERTILIZER

112 lb. bag, \$5.50 56 lb. bag, \$3.00 28 lb. bag, \$1.75

Stumpp & Walter Co., 50 Barclay St., N. Y.



SLUG-SHOT

USED FROM OCEAN TO OCEAN FOR 29 YEARS.

Sold by Seed Dealers of America.

Saves Currants, Potatoes, Cabbage, Melons, Flowers, Trees and Shrubs from Insects. Put up in popular packages at popular prices. Write for free pamphlet on Bugs and Blights, etc., to B. HAMMOND, Fishkill-on-Hudson, New York.

JACK FROST BURLAP MATS for COLD FRAMES

One Mat Covers Two Frames

\$1.20—\$14.00 per Doz.

Wm. Elliott & Sons
42 VESEY ST., NEW YORK
Established 1845.

Green Flies and Black Flies Too are easy to kill with

"TIP-TOP" BRAND

Tobacco Powder

For fumigating or dusting. \$3.00 per bag, 100 lbs. Write for free samples. Money with order.

Interstate Tobacco Co., Inc.

1397-1399 Ave. A, NEW YORK

Money refunded if not satisfied. Beware of imitations. Territory open for live jobbers. Write for prices.

Cocoonat Fibre Soil

Is being used more and more in the greenhouse and for covering lawns from September to frost. Keep it in stock, it is a seller.

20th CENTURY PLANT FOOD CO.
27 & 29 OCEAN ST. BEVERLY, MASS.

Aphine

The Insecticide that kills plant Lice of every species

The Recognized Standard Insecticide. Not a cure-all but a specific remedy for all sap sucking insects infesting plant life such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Does not stain the foliage.

75c. per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used one part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon. All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN.

Aphine Manufacturing Co., Madison, N. J.

Manufacturers of Agricultural Chemicals
M. C. EBEL, General Manager.

FERTILENE

THE IDEAL PLANT FOOD. Unequaled for Producing Lusty

CHRYSANTHEMUM BLOOMS
Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. Sample packets of one-half pound mailed for 50c. Sample packets of one pound mailed for 50c.

ELMER D. SMITH & CO., ADRIAN, MICH.

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLDS LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS
**Pearson Street
LONG ISLAND CITY, N. Y.**
A. H. HEWS & CO., Inc.
**Main Office and Factories
CAMBRIDGE, MASS.**

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.

GREENHOUSES BUILDING OR CON- TEMPLATED.

Tulsa, Okla.—Owen Park, house 20x 70.

Hicksville, Ind.—Charles Siebert, addition.

Dayton, O.—St. Elizabeth Hospital, one house.

Fairville, Pa.—William Broomhall, vegetable house.

Providence, R. I.—Eden Park Nursery, house 28x50.

Irwin, Pa.—W. G. Kintigh, house 30x 100, work room 16x30.

San Antonio, Tex.—Paul Poppe, River avenue, one house.

Del Mar, Cal.—Mr. Shove, Seventeenth avenue, one house.

Yonkers, N. Y.—M. J. Hodgson, 333 Park Hill avenue, one house.

Springfield, O.—George H. Mellen Co., 1415 Innisfallen avenue, two houses each 32½x100.

New Haven, Conn.—Joseph J. Sokol, 31 Hart street, Westville, one house, packing room and garage.

NEWS NOTES.

Dows, Ia.—Schaffer & Larson are succeeded by Schaffer & Son. Mr. Schaffer has purchased the interest of Mr. Larson.

Hartford, Conn.—The greenhouses at 810 Park street have been purchased by E. W. Newton, formerly at 258 Wethersfield avenue.

Boylston, Mass.—Willis A. Fisher is building a large concrete water tank to supply his greenhouse, house and farm.

Leominster, Mass.—Debbis E. Wheeler has purchased property on Prospect street which includes a greenhouse and fifty acres of land.

Paducah, Ky.—The greenhouse property of C. L. Brunson & Co., 529 Broadway, has been purchased by John Van Aart, of Newton, Pa.

Sacramento, Cal.—A municipal nursery is to be established here if the board approves the plan of Superintendent of Parks H. A. Alspaugh.

1000 READY PACKED CRATES STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2400 1¾ in.	@ \$6.00	500 4 in.	@ \$4.50
1500 2 " "	" 4.88	450 4½ " "	" 5.24
1500 2¼ " "	" 5.25	320 5 " "	" 4.51
1500 2½ " "	" 6.00	210 5½ " "	" 3.78
1000 3 " "	" 5.00	144 6 " "	" 3.16
800 3½ " "	" 5.80	120 7 " "	" 4.20
		60 8 " "	" 3.00

HILFINGER BROS., Pottery, Fort Edward, N. Y.

August Rölker & Sons, 31 Barclay St., N. Y. City, Agents

OUR SPECIALTY—Long Distance and export trade

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts. Washington, D. C.

Syracuse Red Pots

With new and improved machinery, we can supply your wants to better advantage than ever.

Special discounts on large orders.

Syracuse Pottery Co., SYRACUSE N. Y.

Woodstock, Ill.—The first greenhouse in this town has just been completed for George Moncur. He began business here about a year ago and expects to erect two more houses.

Pittsfield, Mass.—The F. S. Folwell greenhouses, 811 North street have been leased by August and Lucien Viale. They have purchased the stock and will continue the business under the same name.

Denver, Colo.—Curtis W. Davison, formerly with the Iowa Seed Co., at Des Moines, and William Western have formed the Davison-Western Floral Co. The greenhouse of W. C. Walters, 482 Josephine street, has been purchased.

Pittsburgh, Pa.—A dormitory and club house is to be built by the Pittsburgh Cut Flower Co. at its Bakerstown plant. It will be a two story building with sleeping quarters for about thirty-five men, with reading and writing rooms, shower baths, etc.



GREAT for HIGH NAILING

Pulls the nail out straight and easy. This is important in hot houses.

16 or 21 oz. Head.

Cheapest and handiest hammer ever made, when you consider what it will do. Costs three times more to make—but. At your dealer's or from us, delivery prepaid.

RETAIL \$1.00

DOUBLE CLAW HAMMER CO.



Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER, 714 Chestnut Street, Philadelphia.

FULL
SIZE
No 2



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Greenhouse Materials FURNISHED AND ERECTED IRON or WOOD SASH BARS

In all lengths up to 32 feet.

Milled to any detail furnished or will furnish details and cut materials ready for erection.

**Frank Van Assche, Fulton Ave., Rose Ave. and Dwight Street
JERSEY CITY, N. J.**

AN IMPROVED PIPE HANGER

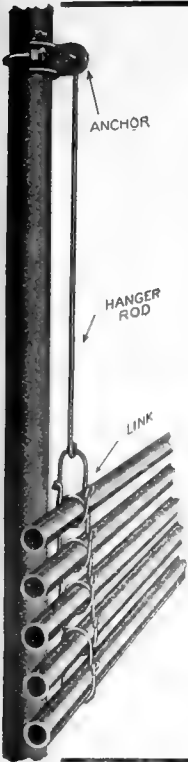
allows for expansion of individual pipe as well as the whole coil.

Write
For Prices

**KING
CONSTRUCTION
CO.**

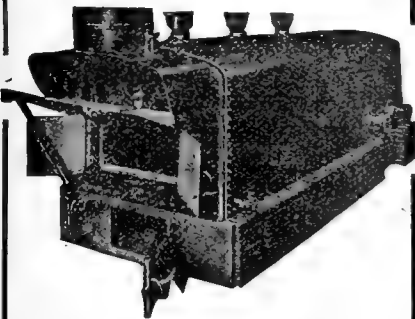
N. TONAWANDA,
N. Y.

BOSTON, 410 Winthrop Bldg.
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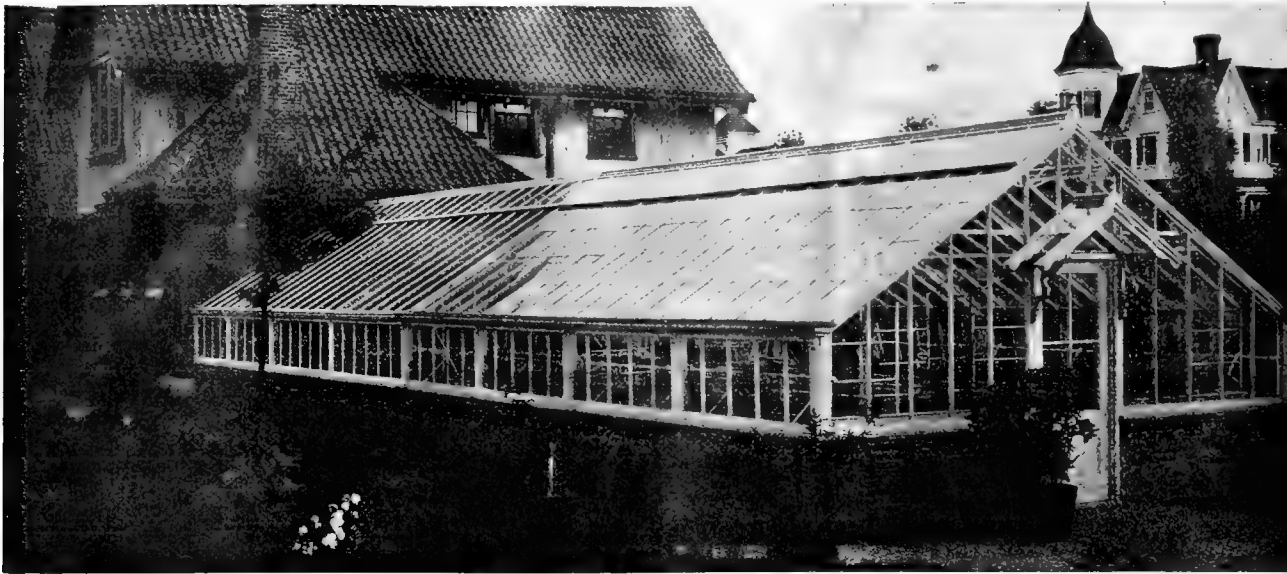
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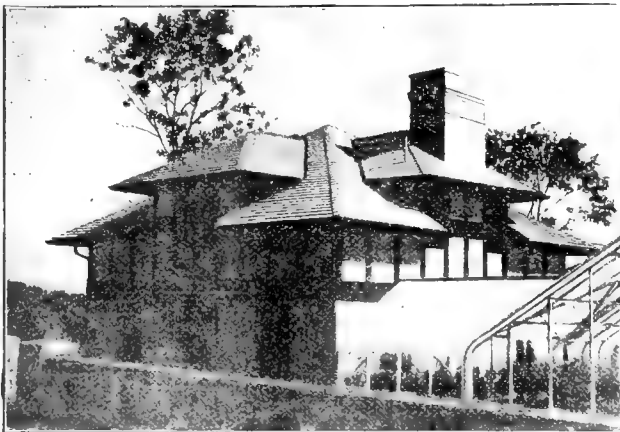
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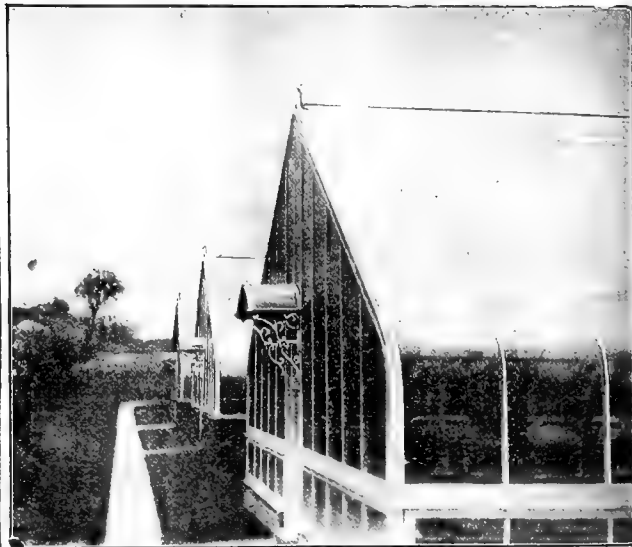
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HORTICULTURE

Vol. XVI. NOVEMBER 9, 1912 No. 19



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**IF I HAD KNOWN.
IF THOU HAD KNOWN.
IF HE HAD KNOWN.**

**IF WE HAD KNOWN.
IF YOU HAD KNOWN.
IF THEY HAD KNOWN.**

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Care of Amaryllis

Bulbs that are being given a rest should have the water withheld gradually until they are thoroughly ripened up. Do not hurry them by a rapid process of ripening, because it will only result in injury to the bulbs. It will not be necessary for them to lose all their foliage during this resting period, as vigorous bulbs will retain some of their leaves until they begin to start up again. When the bulk of their foliage has gone you should lay the pots on their sides in a nice dry place where the temperature will not fall below 50 degrees, which will give them their needed rest and also keep the original ball from becoming sour. In order to have fine flowers they should not be started before the first of January. Where you have a batch that has had a good season of rest and are now showing spikes, these can be given a bench well up to the glass in a house where the temperature runs from 60 to 65 degrees at night with a rise of from 10 to 15 degrees on sunny days. When they have made some top growth they can be given some liquid manure once a week.

Cattleya Trianae

Some species of cattleyas may have more showy flowers, but when it comes to furnishing through January, February and March your winter flowers of *Cattleya Trianae* make the pace. It behooves the grower to give them every attention from this out. Keep the night temperature as near 58 to 60 as possible during the next four months and from 70 to 75 on all bright days, but during dull weather 65 degrees will be about right. These orchids enjoy a location near the glass and all the direct sunlight that is possible from this out, so do not place them in some dark corner and expect them to do well. Give ventilation with care as they abhor anything like a stagnant air; of course you will have to be guided by the outside condition as to the quantity given. They should be carefully looked over every day and given water as needed, but remember it is better that they show a sign of dryness before giving them any water. Syringe overhead in the mornings of bright days and keep the floors and benches well damped. Look the plants over often and sponge for thrips and scale, as they soon accumulate.

Gladioli for Forcing

Such varieties as *Colvillei*, *The Bride*, *Peach Blossom* and *Blushing Bride*, as soon as they show a couple of inches of top growth, will be all right in a house where the temperature is kept about 50 degrees at night and from 10 to 15 degrees higher during the day with sun. Be careful to keep the flats at an even degree of moisture all the time. They like a syringing on bright mornings so as to allow the foliage to dry before nightfall. When they have made some growth you can apply liquid manure once a week, but discontinue entirely when the spikes begin to show color. Where you have

bench space in chrysanthemum houses you can plant some of the large flowering gladioli such as *America*, *Augusta*, *Mrs. Francis King*, *Shakespeare* and *May*; these will all make excellent varieties for forcing. The old chrysanthemum soil can be used, spading it over and planting bulbs about a foot apart each way. Give water, air, and a temperature of from 45 to 50 degrees at night. Gladioli have become quite popular for winter decorative use, so it is well to start now and plant quite a few.

Easter Schizanthus

Schizanthus has now become a useful and popular Easter pot plant. Make a sowing now which will give fine strong plants by that date if grown along under proper conditions. Sow the seed in large shallow pans that are well drained. Make a compost of loam, leaf mold and sand, mix well and fill the pans to within an inch of the top and then sift some nice and fine for the top. Add this fine mixture until within half an inch of the top and press the surface smooth. Give the pans a good watering and, when drained, the seed can be sown, not too thickly, over the surface. Cover only slightly, placing a piece of glass over the pans and give them a house where they can have a temperature of about 55 degrees at night. The sun should not strike them until the seeds begin to germinate, when they will stand all the light and sun that they can get. When large enough pot off into small pots, using a rich soil and keep on shifting until they are in 7 or 8 inch pots, using a richer compost each time. Give water, air, and general attention and keep in a temperature of from 45 to 48 degrees at night.

Lilium speciosum

To have some lilies to come in before the outdoor beds begin to flower, by all means pot up a good batch of *Lilium speciosum* as soon as you can get them, for they will prove very useful in many ways. When potting allow a single bulb to a 6-inch pot, three bulbs to an 8-inch pot, and six bulbs to a 10-inch pot. These two last sizes are the best when growing for cutting. Use a fibrous soil well enriched with old manure, but be very careful not to use any fresh manure as it is liable to produce disease. Give plenty of drainage so the water will pass off freely. When they are potted give them a watering to settle the soil good and afterwards at no time must they be allowed to become dry at the roots, or overwatered either; avoid any extremes either way. They can be placed in any dry frostproof cellar or shed or placed outside in a cold frame and covered with about six inches of soil and as the weather becomes severe they should be covered with shutters or sash to prevent too hard freezing, as it is liable to break the pots. Look them over from time to time and when you see the growth appearing they should be housed in the coolest house you have.

Mr. Farrell's next notes will be on the following: *Asparagus plumosus*; Carnations; *Begonia Gloire de Lorraine*; Evergreens in Pots for Christmas; *Freesias* for Christmas; Paper White *Narcissi*.

FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Cleaning and Renovating Early Vinery

Immediately after the leaves have fallen in the early vinery the vines should be pruned and the wheels of the winter cleaning machinery set in motion, in the event of a start into growth to be made December 1st. When pruning young vines do not be in too great a hurry to have them fill up the house. It may seem a shame to cut away so many good looking eyes, but in the interest of the lasting constitution of the vines they must be sacrificed. The stronger the canes made, the more eyes may be left to grow the following year, but three to four feet should be the limit. Weak canes should be cut back shorter. Do not lose sight of the truth that "prevention is better than cure," which will remind one of bleeding vines last spring. The special preparation, "Styptic," which can be obtained from all seed stores, is the best thing to use. Varnish and shellac are used with variable success. It is essential that the whole cut be covered with the preparation, and a clean cut is the only way to insure this. Should a lateral have been broken off close to an eye, so that it is impossible to make a cut, saturate the broken end two or three times.

After pruning thoroughly, wash down the house—glass, woodwork, walls, etc.—everything which goes to make the interior of the house. Whale oil soap in solution will act both as an insecticide and soap. No corner should be overlooked or the main object of this work will be lost. Pests always seem to provide for the coming generation and leave behind enough to establish their "kingdom." This stock will receive a severe shakeup if the house is washed down from top to bottom, omitting no crevice or cavity which will harbor them. The washing and cleaning of the vines is even more important. If they were clean through the growing season, it will be sufficient to rub off all the loose bark you can with the hand. Dirty rods should receive a scraping with a hard piece of wood or blunt knife, but avoid the barbarous practice of scraping them down to the live bark. This is injurious. The outer barks of the vine are given for protection and so long as they are not loose nothing can be underneath them.

Winter Washes

Winter washes for vines are numerous and range from clear water to "adulterated mud." Forms of the latter which really are insecticides mixed into clay are sometimes advisable on real old vines having lots of holes to fill up and thus debar any bugs a hiding place next summer. For average rods which were fairly clean last season we use the old preparation "Gishursts' Compound." This is perfectly safe and does the work. Where red spider was prevalent mix a little sulphur into it, but in no case must it touch an eye.

The Border

Taking the work in rotation as it comes along we come last but not least to the border. Vines that are being built up may want an addition, others only a top dressing. Additions are similar to making new borders, which will be dealt with later. When top-dressing, first carefully remove the old mulch. If the roots have made their way into it, this may have to be done with the hands to avoid breaking them. If any top soil can be removed without damaging the roots do so with a small digging fork, leaving the surface loose to receive the top dressing, which should be of the very best loam, coarse bone meal and charcoal.

Where outside borders are in use it will now be necessary to protect them from the heavy rains and frosts. This is best accomplished by covering them with dry leaves two feet deep, and then placing some long straw manure over them to keep them in their place. Over the whole should be placed some waterproof material—sheet iron, tin, or wood to throw off the winter rains. The roots of vines cannot stand any very severe weather.

Strawberries to Winter Quarters

When there is danger of freezing the soil in strawberry pots they should be plunged or the majority will be broken by the expansion of the freezing earth. In states where cold is experienced to any degree provision should be made to have these packed away in cold frames so that additional protection can be given them in the severe weather. Secure a quantity of dry leaves when the lawns are being cleaned off and pack them around the pots, which should be placed close together. Make the whole thing solid so that the frost will not penetrate. As they are being packed away examine each crown and remove any side growths or suckers, as they only rob the crown and have to be removed later in the spring. Take care to have large labels placed so that there is no difficulty to distinguish the varieties. Should a spell of good weather set in the plants may need a watering after plunging.

Forcing Asparagus

Asparagus will force easily after a frost. A few roots can be lifted to have the full benefit of the first cold nights, but see that they do not get dry from exposure through the day. They will move much quicker if placed on a mild hot-bed. Any fine soil will do to cover the roots with; take care to get it down between them. Rough leaf soil will answer well to cover over the crowns as it is moist and offers no resistance to the young grass. Give a night temperature of 58 F. to 60 F. degrees with the usual advance by day and plenty of water.

BOOM YOUR FALL BUSINESS

by advertising your goods in the

Horticulture

Publicity among the kind of readers reached by this paper is THE SORT OF PUBLICITY THAT PAYS.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Pinching Growth in Beauty Houses

Pinching in Beauty houses, like everything else, can be overdone and the result may be that the houses are crowded with wood, yet but little stuff is cut. We do not believe in no pinching at all, as it is absolutely necessary to pinch the growth at times to save the plants and keep them thriving. In many cases, especially in the late planted houses, short stuff that is now pinched will flower early in January and it is then when many of us need the roses.

Do not pinch out any buds that are of any size. Take only those that are about the size of a pea or those that are just beginning to show the bud. Any growth pinched after the bud is nearly developed will become hard and the chances are the break from that will hardly flower early enough to be worth the sacrifice. Then, too, a bud nearly developed will be cut in a few days and you can then look forward to two breaks instead of one.

Do not do any pinching where there is plenty of wood in the house. If this is done in such houses the plants will be benefited but very little and you less. Take a house where the plants are low and but little wood. Such a house will be greatly benefited by pinching all the short stuff as most of it will then run up into fancies and specials and be cut profitably.

Pinching Newly Set Growth

There are many theories about this and will no doubt continue to be, as long as there are different systems of growing Beauties. Many may claim that if they break the tops out of all the short growths now, the break ensuing from the top-most eye will run up a little way, then set and be in for Christmas. No doubt under certain conditions this would work beautifully, as it is but very seldom that a shoot with a joint in it does not set. Taking it as a rule, however, we would advise anyone

taking or contemplating taking such a system as a standard, to give it a thorough tryout first, before working it on a large scale.

Those Little Black Spiders

It is very annoying at times to walk through the houses and have your face full of fine cobwebs all the time. We have often seen these so thick in the houses, that they become a regular nuisance. Cyanide will destroy the little black spiders that seem to be responsible for all this trouble, and where it can be used there is nothing else so effective. The little rascals are hidden in nooks and rooks where it is almost impossible to reach them with spray. Syringing will eventually clean them out, as a large number can be washed out, and syringing will knock them around so that life to them will be no pleasure. The simplest, and no doubt the best remedy of all, is bonemeal. Take a little bonemeal and screen it so it will run nicely through a pair of bellows. It should be perfectly dry, too, so as to dust well. This can be blown over the plants, and the little black rascals seem to vanish almost immediately after one or two good doses. Of course do not cover the plants an inch thick with the bonemeal, for it is a fertilizer and will likely burn the foliage if not used carefully.

Nitrate of Soda

Nitrate of soda is really a necessity in the growing of roses, and if used cautiously and with great care, it is a great help in lengthening the stems of the tea roses, and giving the Beauty foliage extra lustre, and promoting growth as well. In using, remember to use it more as a stimulant, and not as a plant food. In applying never use more than one six-inch pot full for 3000 plants, and never apply it more than once a week, depending of course, on the stage of growth the plants are in.

BRITISH HORTICULTURE.

National Sweet Pea Society.

A very satisfactory report was presented at the annual meeting of this Society on October 17th. There are now over 1,200 members, and these include residents in Japan, Peru, Russia, Switzerland, France, Germany, Australia, New Zealand, Canada, South Africa and the United States. The Society is in a sound financial position. Arrangements had been made for holding next year the Society's trial at the Burbage Experimental Station, Hinckley. Sir George Trevelyan, Bart., was elected president; Edward Sherwood, treasurer; Herbert Smith, Birmingham, chairman of committee; and Chas. H. Curtis, secretary. Subsequently, a dinner and conference were held. At the latter a paper on "Rogues in Sweet Peas," was read by Major Hurst, the director of the Burbage Experimental Station, Hinckley. It was shown that a majority of the rogues which appear in a stock of sweet peas a second year are to a great extent due to cross-fertilization

by some outside agency. This cross-fertilization occurs in this country on a rather large scale, although not so extensive as in California. The agency most largely responsible for cross-fertilization in this country is considered by Major Hurst to be the leaf-cutter bee, though weevils and blue tits were also considered to be possible agents. Apparently rogues due to various causes can be almost eliminated by breeding sweet peas on Mendelian lines. When this is done not more than five rogues per thousand are given.

New Chrysanthemums.

A batch of novelties recently received awards from the floral committee of the National Chrysanthemum Society. Toddles is a useful single variety, brilliant crimson, with a narrow yellow zone around the disc. This was shown by H. W. Thorp, Durrington, Worthing, Sussex. George Mileham, Leatherhead, Surrey, had a capital trio which were certificated. These were Hon. Mrs. John Ward, a sport from White Queen, primrose

tint; Master Rex, bright amber Japanese; and Miss Joan Miller, rose pink Japanese, with silver reverse. Mrs. John Maher, a good Japanese white, was exhibited by Thomas Page, Hampton, Middlesex, and received a first-class certificate. Norman Davis, of Framfield, Sussex, received certificates for the following novelties: Sussex Yellow, bright yellow; Ideality, single white; Mrs. Loo Thomson, primrose sport from Mensa, a single; Charles Kingsley, rich yellow single. J. W. Streeter, also certificated, is a primrose yellow sport from H. W. Thorp. This was shown by Cragg, Harrison and Cragg, of Heston, Middlesex. Primrose Queen, for which Martin Silsbury, Sandown, Isle of Wight, received a certificate, is a bright yellow Japanese bloom. Commendations were made by the committee to the following: Vera Potterton, a pink Japanese, shown by Thomas Page; Phyllis Cragg, a light pink Japanese, shown by Cragg, Harrison and Cragg; White Beauty, a pure white single, shown by Philip Ladds, Swanley, Kent. W. H. ADSETT.

HORTICULTURE

VOL. XVI

NOVEMBER 9, 1912

NO. 19

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.

11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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host of new roses that are to supplant all the older favorites, because they are better in one or the other quality which the consumer approves or which brings the producer a surer and more ample compensation. The chrysanthemum grower or dealer cannot fail to note the trend to finer forms and more brilliant colors, particularly in the single and semi-double flowering varieties, so effective for decorative use in spray form and for which public appreciation is rapidly growing. And all this is an education, inspiring and profitable.

Evolution and elaboration of the flower show

Flower show promoters and managers all over the country seem to have come to a realization that, in these excitement-loving days, it takes more than liberal premium lists and gardeners' cultural achievements, essential as these unquestionably are, to make a popular success of an exhibition. What with elaborate floor plans, novel illumination, electric advertising, band music and singing, election bulletins, special free days for the aged and orphans, at Rochester; society patrons in continental garb, public christenings of new rose and new chrysanthemum, horticultural photographic contests, fancy stickers and other modern publicity methods, at St. Paul, we certainly have conspicuous examples of the new idea in flower show exploiting. In fact these are no longer mere flower shows but veritable fetes or festivals. Note in the exhibition just closed in San Francisco the many unique features, miniature landscape gardening, etc., all of which is declared to have produced a spectacle which in point of luxuriance and originality of design excelled anything of the kind ever seen in San Francisco. In all of these cases the daily newspapers gave freely of their best space to describe and picture the various scenes. If there is any spirit or local pride in a community, such enterprises will surely bring it out and floriculture moves up another step in the estimation of the people.

The only way out

It is too much to expect that any great striking increase in trade would immediately follow the initial publicity effort in a campaign such as has been inaugurated by the New York Florists' Club. It will take persistence and patience before conspicuous results will materialize. But the movement has been well managed and an excellent beginning has been made. Unfortunately the rank and file of the retail florists are reluctant to invest any effective amount in general and indirect advertising. They are, however, eager to take all possible advantage of whatever effort may be made in this direction by others as evidenced in the lively demand for the Hallowe'en window poster sent out by the New York Club and as, no doubt, will be again shown in the demand for the Thanksgiving poster which we illustrate elsewhere in this paper. Of course, the club cannot be expected to stand the very considerable cost of these things and if the system thus so hopefully inaugurated is to be carried forward to full efficiency the money must come from somewhere. As the original inciters in this movement which now promises to be country-wide we would reiterate our conviction, as before expressed, that the most of the burden must be assumed by the growers of plants and flowers. Any proposition otherwise would, unquestionably, be doomed from the start. This is the order of the day in many other lines of manufacture and it will be increasingly more so as time passes. It is "up to" the producer to put into operation the publicity which, under modern conditions, is so indispensable in creating a market for his goods. However hard the shoe may pinch it offers the most practical relief from the very unsatisfactory conditions which some of the large flower producing centres seem now called upon to face.

Useful object lessons

All roads lead to the exhibition hall in these early November days. For the observant visitor who goes to the shows with a desire to inform himself on the progress of his profession there will always be a few things that stand out convincingly among the great diversified mass of prize-winning material and which are bound to exert a strong influence on his mind and eventually on the lines of development in his business. No rose grower, for instance can contemplate the fall shows this year without feeling the conviction that the glorious Mrs. Shawyers and Mrs. Russells are the advance guard of a

NEW ENGLAND NURSERIES VINDICATED.

There has been a great deal of "scare talk" in the papers of late about a proposed quarantine in New England against the further spread of gypsy and brown-tail moths. On the 30th of October a hearing was held in Washington, D. C., which the writer attended. For the relief of the minds of the New England nurserymen as well as others who may be interested, I am writing these lines regarding the situation.

The New England nurserymen may rest assured that the Department at Washington will do nothing to place undue hardship upon their business. They are well satisfied with the thoroughness of the inspection made under the direction of Dr. H. T. Fernald in Massachusetts, which is at present the chief battle-ground. What they do want is to enlarge the scope of the inspection so as to include all material subject to infestation, such as telegraph poles, railroad ties, building material, Christmas trees and greens.

Every one at all conversant with the nursery situation in Massachusetts recognizes the fact that the chances of disseminating the pests by means of nursery stock are very small as compared with other means of distribution. It is these other means which are occupying the attention of the Federal authorities and which were the occasion of the call for the hearing of October 30th. That there may be no uncertainty about this, I wish to introduce remarks made by Dr. L. O. Howard, Chief of the United States Bureau of Entomology, at the hearing October 30th before the Federal Horticultural Board at Washington, D. C., as follows:

"Mr. Chairman, just a moment. I wish to go on record with the statement that three times, at least, I have visited Mr. —'s nurseries without his knowledge, or in his absence, and I have seen this careful State inspection going on. It is certainly done in a perfectly efficient way by a large and competent force. I feel so assured of the absolute reliability of this inspection that I wish it placed on the records of this meeting, that if I were a New York purchaser of nursery stock, I would buy my stock from these nurseries with the feeling that I would be quite as safe as I should if I were to order from an uninfested state."

These remarks were greeted by applause because they came so unexpectedly and were spoken with such sincerity. It was a great tribute to Dr. H. T. Fernald and his efficient lieutenants.

And what is true of the nurseries referred to is equally true of all others in the state over which Dr. Fernald has jurisdiction. Moreover, it was with no intention of comparison among the New England States that these remarks were made; but it happened that, at that time, the discussion was centered on Massachusetts. In justice to all concerned, let it be said that very little, if any, infection is to be found in other parts of New England where nurseries doing an interstate business are located. Let the general public rest assured that there is no occasion for undue alarm over the introduction of these pests by means of nursery stock from New England. Field inspection is made several times during the season, and when stock is brought to the packing-sheds it is

MILTONIA VEXILLARIA WESTONBIRT VARIETY.



A unique plant and fine specimen, carrying eight spikes with thirty-three flowers. Exhibited in the Col. Hol-

ford group at the Royal International Exhibition; gardener, H. G. Alexander.

again inspected, plant by plant, as a further precaution.

That these pests will ultimately get into every state in the Union, I have no doubt; it is only a matter of time. But it is automobiles, steam and electric cars, etc., that disseminate the gypsy moth and the winds that distribute the brown-tail. No amount of legislation can prevent the possibility of spreading them by these means. Ultimately, I predict that they will be found everywhere, but by that time we shall have lost our terror over them, for the parasites will have become so prevalent as to hold them in check. I predict that our children will regard these pests with far less alarm than do we of this generation. Fifteen years ago, the San Jose scale was regarded with more alarm than it is today, and yet, I regard the San Jose scale as the greater evil of the two. I know of no parasite which is holding that in check, as in the case of these moths.

In certain parts of Europe they have had these pests for centuries and yet they are given no more heed than is given in this country to the tent caterpillar. The parasitic life is there fully developed. It will be here in due course of time. Meanwhile, let us keep working at our task; for it is as true in the horticultural world as in the political that "Eternal vigilance is the price of liberty."

W. H. WYMAN.

A VISIT TO ADRIAN, MICH.

Notwithstanding the heavy pressure of business 35 Detroit florists broke away from the daily turmoil and boarded a special Pullman car at 9 A. M., October 29th, to visit the well-known chrysanthemum specialist, Elmer D. Smith. Arriving there they found a similar number of visitors from Cleveland and Toledo, besides E. G. Hill of Richmond, Ind., and Mr. Karins of H. A. Dreer, Philadelphia.

These constituted a heavy line-up of

very critical judges, but what they saw in novelties far surpassed their expectations and unanimous was their admiration of such things as Chrysolora which was voted the best ever. Smith Sensation, a silvery pink, Naamah, a large white, Roman Gold, a very fine yellow bronze all received points away up in the nineties. Ramapo, a large yellow, was also most favorably commented upon and really looked great just ready for a trip to the St. Paul show to gladden the hearts of visitors there.

While one could write for hours on the floral wonders housed at Mr. Smith's place we do not forget to mention the very aptly named straw-colored variety, Aesthetic.

While Mr. Graham of Cleveland most properly expressed the thanks of the visitors, E. G. Hill most aptly expressed the thought that the work of Mr. Smith in raising those superb novelties helps all of us to offer to the public not only new flowers, but we are enabled to create more artistic combinations which after all is the foundation upon which to build larger demand.

FRANK DANZER.

NEW ROSE MRS. CHARLES RUSSELL.

Our cover page this week is devoted to a portrait of the sterling new rose raised at and to be disseminated by Waban Rose Conservatories, Natick, Mass., and which under its designation as Mrs. Charles Russell has already attained a great popularity among the flower fanciers of Boston and also of New York. This rose, its origin, etc., was the subject of an interesting article by George C. Watson in our issue of last week and we would respectfully advise those of our readers who did not peruse it to do so as there is no question that this fine rose has a brilliant future as a profitable forcing rose and, in many respects, as a rival for American Beauty.

THE EXHIBITIONS

MORRIS COUNTY GARDENERS' AND FLORISTS' SOCIETY.

The Madison (N. J.) Flower Show this year had some very noticeable features—it has had some every year. The judges were Wm. Turner, Eugene Dailledouze, and Albert Maillard, so everybody got what was coming to him. Chas. H. Totty's bank of bush chrysanthemums, perhaps a thousand of them, backed up by graceful palms, made the stage of the James Hall look like a fairyland. The musicians were hidden behind. The groups of chrysanthemum plants, foliage, and flowering plants, on a space of 50 square feet, were the best we ever had, in quality of flowers, and artistic arrangement. Harold B. Vyse was winner here. It was a close race, John Downing, Morris Plains, and A. A. Macdonald, Somerville, getting the other honors in the order mentioned. The vegetable classes had five entries, and all good. The Boddington prize was won by Robert Tyson, superintendent to Mrs. H. McK. Twombly, who was first with one of the most artistic exhibits ever shown here. A. A. Macdonald was second and James Fraser of Cedar Court, third. The Henderson prize was won by A. A. Macdonald. The display of single chrysanthemums was fine, especially the novelties of Totty. The table of orchids from Wm. Duckham, staged by John Dunn, was grand. John Jones of Convent had another table of them, splendidly arranged and of the highest grade. Lager & Hurrell's display of orchids in the novelties was most interesting. We had the following novelties in carnations and not a bad one in them: Wm. Eccles, from Scott Bros.; Enchantress Supreme, from Dailledouze Bros.; Matchless, from Cottage Gardens; and Northport, from J. D. Cockcroft; each had distinctive qualities. In roses, Totty's Mrs. Geo. Sawyer took the Badgley, Riedel & Meyer prize for the best vase in the show. A. N. Pierson's Milady took everybody's fancy and there was a hundred special features in smaller lines which space will not permit to mention.

The list of winners in the 76 regular classes included such well known experts as William Duckham of Madison, A. A. Macdonald of Somerville, C. H. Totty of Madison, Alex. Mackenzie, Harold B. Vyse, Ernest Wild, James Fraser, Edw. Reagan, Dudley Olcott, R. D. Foote, in cut chrysanthemums; L. A. Noe, L. M. Noe Estate, E. H. Behre, L. B. Coddington and others on roses; Wm. Duckham, C. H. Totty, Ernest Wild, S. M. and A. Colgate and others on carnations; Peter Duff, H. B. Vyse, A. A. Macdonald, and C. H. Totty on chrysanthemum plants; A. A. Macdonald and E. Reagan on hot-house grapes; Robert Tyson and Duke's Farm on vegetables.

NASSAU COUNTY HORTICULTURAL SOCIETY.

At the eighth annual exhibition of this society briefly described last week the two main floors of the large hall were well filled. Chas. H. Totty, Madison, N. J., showed his new pink rose Mrs. Geo. Sawyer and was awarded a certificate of merit. Scott Bros.' Wm. Eccles carnations also received a certificate of merit as did J. D. Cockcroft's Northport. Julius Roehrs Co.

had a table of orchids which were greatly admired. The chrysanthemums of course were the chief attraction and the following varieties were best in their respective colors: White, Wm. Turner and Naomah; pink, Lady Hopetoun and L. Rosseau; yellow, Cheltoni and Mary Donnellan; crimson, Woodmason and Pockett's Crimson; any other color, Mary Mason. Woodmason carried off the honor for the largest bloom, 10 inches in diameter. The attendance was large on both days and the management are to be congratulated on the well arranged and successful exhibition.

Special Prizes.

Mrs. F. S. Smithers cup for hardy chrysanthemums and Bon Arbor Chemical prize for twelve blooms, Mrs. H. L. Pratt, gard. H. Gaut; Mrs. H. L. Pratt cup for table decoration, and Elmer D. Smith prize for chrysanthemum Artistic Queen to H. Ladew, gard. J. Adler; Stump & Walter cup, Burnett Bros.' prize and Mrs. J. R. Maxwell prizes for vegetables and Boddington prize for salads to A. G. Hodenpyl, gard. P. Patroccia; Mrs. J. H. Ottley cup for Killarney roses, Mrs. Maxwell prize for outdoor flowers, H. S. Shotwell and H. Schultz prizes for roses to Mrs. B. Stern, gard. W. D. Robinson. C. H. Totty prize for group of chrysanthemums, Titus & Bowne. Mrs. H. W. Bucknall, Weeber & Don. E. M. Underhill prizes for cut blooms, J. W. Gammack and F. B. Edmonds prizes for begonias, to Percy Chubb, gard. A. Mackenzie; Hitchings cup for plant group, M. Stapleton for bush chrysanthemum, and Roehrs prize for orchids to Capt. de Lamar, gard. P. Marshall; H. E. Smith prize for chrysanthemums, Peter Henderson & Co. prize for chrysanthemums arranged for effect, to J. H. Ottley, gard. Jas. MacDonald; Mrs. D. Burns prize for chrysanthemums to W. D. Guthrie, gard. H. Cliff; Vaughan prize for single chrysanthemums, Marshall prize for hardy do., and W. R. Kinnear prize for violets to John Pratt, gard. J. Everitt; Kohler prize for palm and Cottage Garden prize for carnations to F. S. Smithers, gard. V. Cleres. All the above named and others participated in the regular classes in number too numerous to mention.

CHRYSANTHEMUM NIGHT AT ITHACA.

Chrysanthemum Night was celebrated by the Horticultural Lazy Club of the New York State College of Agriculture at Cornell University on the evening of November 4th. The meeting was held at the greenhouses of the horticultural department and the program consisted of the chrysanthemum news of the year by A. C. Hottes, '13; some of the older types of chrysanthemums, by Prof. A. C. Beal; chrysanthemum seedlings, by Miss L. A. Minns. Miss Minns had on exhibition some seedlings which she has raised from seed secured from several crosses made last year; M. Free, assistant gardener, spoke on the growing of chrysanthemums in England. The club then adjourned to inspect the beautiful display of blooms in the houses which had been lighted for the occasion. There were also on exhibition some of the newer varieties sent by Elmer D. Smith. Among these were Elberon, a seedling numbered 17-7-10, Smith's Sensation, Yonkers, Poughkeepsie, Tarrytown, Hirondele, Minta, Baby Marguerite, La Purete, Fairy Queen, Julia Lagravere, Mary Colladay, Anne, Sylvia Slade and Hilda Wells. Refreshments consisting of cider, doughnuts and apples were served. R. H. PATCH.

HORTICULTURAL SOCIETY OF NEW YORK.

The November show of this Society was held in the Museum of Natural History on the 1st to 5th inst., and was without a doubt from all standpoints the finest and most satisfactory the Society has undertaken. In point of quality the exhibits were far above the average and competition was exceptionally keen, as many as fifteen exhibitors competing in one class. This is a step in the right direction, and with the thousands of visitors, who during the four days took such an interest in the magnificent display it should have good effect and be the means of giving that stimulus to horticulture which our societies are so much in need of. Chief interest was centered in the specimen bush chrysanthemums, which were the feature of the show. The three magnificent plants sent by Adolph Lewisohn, Ardsley, obtained first prizes in their respective classes and were also awarded a special gold medal. The varieties were Lady Lydia, white, Wells' Late Pink, and R. F. Felton, yellow. The latter plant was 11½ feet in diameter, surely a record for this or any other country! Grand plants also came from Samuel Untermeyer and W. B. Thompson, Yonkers. Of the latter gentleman it is interesting to note that although this is his first year of exhibiting he was successful in no less than nine classes, taking six firsts and three second prizes. Roses and carnations were largely shown and in excellent form, but the staging of many exhibits left much to be desired, the careless way the flowers were placed in the vases giving one the idea that they were there under protest.

The Exhibition Committee of the show were F. R. Pierson, chairman; George V. Nash, secretary; and T. A. Havemeyer, I. S. Hendrickson, J. E. Lager, J. A. Manda, John Canning, and James Stuart.

List of Awards.

In the bush plant classes, A. Lewisohn, Ardsley, gard. John Canning, won three 1sts and two 2nds, and the silver medal sweepstake for best plant in the show; S. Untermeyer, Yonkers, gard. W. H. Waite, six 1sts and three 2nds; W. B. Thompson, gard. R. L. Cushman, one 2nd; Geo. Schlegel, Bay Ridge, gard. S. G. Mulvey, two 1sts; C. Hathaway, E. Orange, N. J., gard. Max Schneider, one 2nd; H. M. Tilford, Tuxedo Park, gard. J. Tansey, one 1st; Mrs. Myron I. Borg, Stamford, Conn., gard. Jas. Aitchison, one 2nd. In the cut bloom section for commercial growers, the class for vase of 25 arranged for effect was won by Traendly & Schenck, and the silver medal for six new varieties not in commerce was won by C. H. Totty, the varieties being G. 40, incurved, red with yellow reverse; H. 10, light pink, curly petals; Gertrude Peers, reflexed dark red with bronze reverse; F. 83, an enormous broad petalled incurved, copper red with yellow reverse; Chicago, incurved dark red with yellow reverse; H. 3, lemon yellow reflexed. Other awards in this section were Traendly & Schenck, Rowayton, Conn., three 1sts.; C. H. Totty, Madison, N. J., two 1sts., two 2nds.; Scott Bros., Elmsford, one each 1st and 2nd.; C. A. Rice, Roselle Park, N. J., one 2nd. In the non-commercial cut bloom section the principal winners were Miss M. P. Cockcroft, Saugatuck, Conn., gard. A. Peterson; W. B. Thompson; Mrs. W. E. S. Griswold, Lenox, Mass., gard. A. J. Lovelless; Miss C. A. Bliss, New Canaan, Conn., gard. J. T. Burns; Mrs. F. A. Constable, Mamaronck, gard. Jas. Stuart; Percy

Chubb, Glen Cove, gard. Alex. McKenzie; H. L. Pratt, Glen Cove, gard. Henry Gant; Miss Blanche Potter, Ossining, gard. Geo. Wettlinger; Chas. Mallory, Portchester, gard. W. J. Sealey; Fred Sturgis, Fairfield, Conn., gard. Thos. Bell. In roses there were five classes of fifty blooms for commercial and five of lesser number for non-commercial, besides a gold medal for new variety not in commerce. The medal was worthily won by C. H. Totty with Mrs. Shawyer. The winners in the other classes included L. A. Noe, F. R. Pierson Co., L. B. Coddington, Traendly & Schenck in commercial, and H. M. Tilford, Mrs. F. A. Constable, W. B. Thompson and S. Untermeyer in private classes. The carnation classes were divided in like manner, the winners being Traendly & Schenck with four 1sts and a silver medal for best vase; Scott Bros., J. D. Cockcroft and Cottage Gardens Co. in commercial, and Miss C. A. Bliss, four 1sts and a bronze medal for best vase; H. M. Tilford, F. R. Newbold, Mrs. Griswold, Jas. A. Macdonald and W. A. Henry in private classes. In foliage and decorative plants, open to all, S. Untermeyer, Julius Roehrs Co., Miss Potter, W. B. Thompson, A. Lewisohn, F. R. Pierson Co., all sported 1st prizes, and in orchid plants Lager & Hurrell secured six 1sts; Julius Roehrs Co., one. In non-commercial orchids, S. Untermeyer won the majority of the prizes. In cut orchids, Jos. A. Manda won the prize for collection beautifully banked in moss, and Lager & Hurrell for cypripediums. In the non-commercial the winners were exhibitors previously mentioned, including Mrs. B. B. Tuttle, Naugatuck, Conn., gard. M. J. Pope. Mr. Pope also was given a silver medal for *Odontoglossum grandiflora*. Mr. Pope is HORTICULTURE'S special orchid contributor and recognized as one of the most skillful growers of this specialty. A fine display of dahlias was made by H. D. Darlington.

PENNSYLVANIA HORTICULTURAL SOCIETY.

The big event of the year in Philadelphia horticulture is the Annual Fall Show. As usual this was held in Horticultural Hall, opening on Tuesday night and continuing until the evening of Friday. On the whole, it was a very creditable exhibition. The quality of the flowers and plants were fully up to the highest standards in cultural skill. The quantity may have fallen off a little from what it was last year—owing to the absence of several of the usual large regular exhibitors—chief among whom may be mentioned the Widener gardens. Family bereavement (the Titanic disaster) is responsible for the latter.

The arrangement and the decorations were beyond all praise, and the general effect produced was exceedingly artistic and effective. William Graham had charge of the decorations and he is a master hand. Raised platforms with seating capacity, ranged along the north and south sides of the hall. These had tall white pillars at intervals, entwined with bronze oak foliage and green wild smilax. From the tops of the pillars swung in graceful curves ropes carrying yellow Japanese lanterns enclosing electric globes. Back of all and higher up in the niches were palms and evergreens. The stage was nicely arranged with palms and specimens of *Ficus pandurata*. In front of the stage was the Dreer collection of ornamental foliage plants, conspicuous in which was a fine showing of the new Farleyense fern *Glory of Mordrecht*, and a nice lot of variegated pineapple.

The main hall was as usual devoted to the big specimen chrysanthemum plants of which there was a very good showing, indeed—better on the whole than we have seen for some time. Newbold, Sinnott, Hunter, and Pepper were the stars in this—and creditable showings were also made by Ellison

and Eulalia. Two fine groups of foliage and flowering plants adorned each end, and reflected much credit on the Newbold and Pepper forces. The center of the hall was occupied by a large group of specimen crotons.

A big feature of the show was the orchid displays. Never have we had the pleasure of seeing anything richer, rarer or more varied. And never have we seen greater artistic skill in the arrangement and staging—at least not in Philadelphia. The great National Show in Boston excepted, however, the general excellence has never to our knowledge been surpassed in this country. Louis Burk was the bright particular star—and surpassed even his last year's splendid record. Joseph Heacock made a great showing, as also did John Wanamaker. Last but not least came Alphonse Pericat with a beautiful and varied collection of new and rare varieties. These orchid displays were mostly in the main hall, although the beautiful Heacock exhibit was in the foyer among the specimen foliage plants; and another one was downstairs to the right of the entrance.

The specimen cut blooms of chrysanthemums were arranged mostly on the stairways and upper landings and passageways. Some magnificent flowers were shown, especially the three big vases, assorted colors, at the center and sides of the first landing where they were the cynosure of all eyes and attracted the greatest admiration. The much coveted honors in this contest went to the Countess Eulalia, and Clement B. Newbold, the president of the Society. Pepper came out on top with the best fifty, his varieties being Mary Mason, Wm. Duckham, Mrs. D. Syme, Glenview, Merza, R. Vallis, Fair Acres, Smith's Sensation, Beatrice May, and B. H. Bromhead. Wheeler had first in single stem, six-inch, yellow, and any other color. There were two exhibits of Lady Carmichael, but the show was about a week too early to see these at their best. Mrs. Frank Thomson was again on view, *passee* as ever. Not in it, any more, and distinctly an object lesson as to what *not* to grow. The writer knows perfectly well why the travesty is kept up; but the public does not, and an educational society should never give first prizes to poor flowers. What it should strive to do is encourage perfection *not* to try to galvanize dead horses.

In the lower hall were the seedsmen's and nurserymen's displays. Mitchell, Dreer and Waterer put up excellent exhibits of bulbs and sundries. Burpee, Mitchell and Meehan had fine showings of hardy chrysanthemums. Edward A. Stroud was also conspicuous in the hardy chrysanthemum exhibits—his showing being perhaps the largest, most varied and most beautiful of all the fine collections of this leading and growing popular class to be seen in the hall. Lord & Burham Co. put up one of their model greenhouses, which was an object lesson in completeness and finish; and Montagu Wright and his corps of assistants were kept busy demonstrating to a large and interested audience all the time.

Chas. H. Totty was on hand with a fine vase of the new rose Mrs. Shawyer; and nearby appeared Montgomery's Mrs. Chas. Russell, exhibited by

the Pennock-Meehan Co., and a vase of *Milady* sent by the A. N. Pierson Co. Mr. Totty also had two fine carnations, Northport and Commodore, and a collection of hardy chrysanthemums. Frank Birnbrauer showed a beautiful vase of pink snapdragon, unusually fine for this season of the year.

The Moon Co. sent several big wagon loads of specimen evergreens; big and little; carefully named; carefully and artistically arranged about the entrances to the hall; a very beautiful and educative display. One of the conifer groups had five families and thirteen varieties; another eight families and twenty-six varieties. There were eleven varieties of spruce; nine varieties of juniper; and eleven varieties of pine. We consider this Moon showing one of the finest and most interesting features of the exhibition. The only improvement we could suggest would be to have the names stand out better so that each plant might be better identified.

There was an interesting display of amateur paintings of Mallow Marvels, for which Thomas Meehan & Sons had offered prizes.

We congratulate the officers of the Society, the committees, and the exhibitors; all of whom it is evident must have worked like beavers for weeks to produce this splendid show. It is a great credit to them all, individually and collectively.

G. C. WATSON.

CHRYSANTHEMUM SOCIETY OF AMERICA.

The Chrysanthemum Society of America held their exhibition at the Berkeley Lyceum, New York, on the 6th-8th insts. There was a very excellent collection of the gardeners' best efforts, the chrysanthemums being superb and compared very favorably with the giants at last week's big show. The specimen plants, standard and bush, made a grand show, and with the great size added to perfect color of the cut blooms the exhibition as a whole will not be surpassed this year. C. H. Totty of Madison took premier honors as prize winner and in a non-competitive group he staged upwards of 100 vases in variety. He was also showing the new rose Mrs. Shawyer, in its usual fine form. A. N. Pierson also put up a fine display of chrysanthemums with a centre vase of their new rose, *Milady*, not for competition. The other roses on show were Lady Alice Stanley from F. W. Vanderbilt, Hyde Park on Hudson, N. Y., Henry J. Allen, gard. Irish Fire Flame from S. S. Pennock-Meehan Co., Philadelphia, for distribution in spring of 1913. Mrs. Charles Russell from Waban Rose Conservatories, Natick, Mass., for distribution in spring of 1913; a creamy white sport from My Maryland from E. H. Behre, Madison, N. J., and Bulgarie, Sunburst and Radiance came from Traendly & Schenck, Rowayton, N. Y. This firm were also showing excellent examples of carnations *Pink Delight*, Mrs. C. W. Ward, White Perfection and the new Salmon Queen. Some of the finest chrysanthemums staged came from the amateurs, of whom the most successful were:

H. C. Gould, Port Washington, N. Y.; Mrs. S. J. Smith, New York, N. Y.

N. Y., gard. W. H. Macbean; George Schlegel, Bay Ridge, gard. Stephen Milloy; Mrs. J. Crosby Broom, Orange, N. J., gard. Peter Duff; Clarence C. Chapman, Oakland, N. Y., gard. Frank Black; Robert K. Scoville, Chapinville, Conn., gard. W. Angus; Percy Chubb, Glen Cove, L. I., gard. Alex. Mackenzie; C. K. G. Billings, Fort Washington, gard. Jas. Ball; Chas. Hathaway, Orange, N. J., gard. Max Schneider; Mrs. J. S. Lyle, Tenafly, gard. J. G. P. Kennedy; C. W. Harkness, Madison, N. J., gard. Ernest Wild; E. D. Adams, Rumson, N. J., gard. Geo. H. Hall; R. Mortimer, Tuxedo Park, N. Y., gard. C. D. Schaeffer; J. H. Otley, Glen Cove, L. I., gard. J. Macdonald; Harry E. Converse, Marion, Mass., gard. D. F. Roy; Paul Dana, Glen Cove, L. I., gard. J. F. Johnson; E. Darlington, Mamaroneck, N. Y., gard. P. W. Popp.

YONKERS (N. Y.) HORTICULTURAL SOCIETY.

The exhibition of this Society was held on October 30, 31 and November 1st at the Armory and was a very pleasing success. The classes as a rule were well filled, and although the judges could never have been in any difficulty, the competition was, nevertheless, pretty keen. There is plenty of room in the Armory and the admirable way in which the exhibits were arranged so as to give the idea of a "full house" reflects great credit on Mr. Milliot and those who assisted him in the work. The most attractive features in the show were, of course, the chrysanthemums in pots and cut blooms. In the former for single specimen plants, Adolph Lewisohn, Ardsley, N. Y., gard. J. W. Canning, was first in the two classes, with Samuel Untermeyer, gard. W. H. Waite, second. For group of chrysanthemums and foliage plants, 50 square feet of space, W. B. Thompson, gard. R. L. Cushman, was an easy first. For 24 cut blooms, Mr. Untermeyer was well to the front with a grand lot of flowers, J. Eastman, Tarrytown, being second. For 12 blooms, Arthur Bodington's prize, Miss G. H. Dodge, Riverdale, N. Y., gard. Wm. Wright, was first, and M. L. Sand, Ardsley, gard. T. H. Lee, second. The best collection of pompons was staged by H. Darlington, Mamaroneck, gard. P. W. Popp, a tastefully arranged lot of good flowers, second going to C. Mallory, Portchester, gard. W. J. Scaley. A fine vase of American Beauty roses obtained the Macdonald silver cup for Mr. Untermeyer and Mr. Fred Potter was first for 12 whites, staging grand flowers of Kaiserin A. Victoria. The Stumpp & Walter cup, for vegetables, was won by S. L. Coster, Irvington, gard. Ed. Kane. The trade exhibits were from Julius Roehrs, orchids and foliage plants; Scott Bros., carnation Wm. Eccles; Chas. H. Totty, new rose Mrs. George Sawyer; Jas. Cockcroft, carnation Northport; Louis Milliot, palms; H. A. Dreer, Adiantum Farleyense gloriosa.

MASSACHUSETTS HORTICULTURAL SOCIETY.

As we go to press the annual chrysanthemum show of the Massachusetts Horticultural Society is just receiving its finishing touches at Horticultural Hall. With it is combined the Apple Show, which, in itself, is quite a drawing card. Both large halls are occupied by the floral display, which, by the way, is far from being an exclusive chrysanthemum show. The stupendous specimen plants that gave distinction to the Boston show in former years are no longer in evidence and the long ranks of specimen blooms

are a memory only. In their place are other attractions, including the pretty single and semi-double chrysanthemums in their graceful sprays and pure colors and there are grand groups of decorative plants from the conservatories to fill the gap. Most noticeable are the efforts of the retail florists in their exemplification of floral decorative art. We are glad to see this new interest displayed by a section of the floral craft that, until now, held aloof, much to the disadvantage of their business progress. There are no less than eight dinner tables in competition and all are very elaborate and attractive. The yellow and bronze idea is in the majority by far, there being only two others—with the old favorite white anemone Merza for a central idea. There are also big baskets, four or five feet high, in competition and some of them displaying brilliant decorative skill. The prettiest effect in any of the work seems to be obtained by a combination of Major Bonnaffon with the yellow Baby Pompon chrysanthemum and ribbons to match. There is one very fine entry in the class for table of fruit arranged for effect. There are some fine orchid groups, that by Wheeler & Co. being beautifully arranged. Alex McKay shows some fine Lorraine begonias and George Melvin his new solanum. Two magnificent groups of stove and greenhouse plants by Ed. MacMulkin and W. W. Edgar Co. fill one side of the large exhibition hall. Thomas Roland's display of flowering plants—cyclamen, erica, celosias, begonias, etc., filling one entire end of the lecture hall is a striking feature. The only trained specimen chrysanthemum plants are from the T. E. Proctor estate, gard. James Marlborough.

NOTES.

In the great exhibition at San Francisco which closed on October 26th, the big winners in the trade were MacRorie-McLaren Company, Pelicano, Rossi & Co., Julius Eppstein, H. Plath and A. O. Stein. Golden Gate Park contributed a magnificent display of stove and greenhouse plants.

A very laudable innovation among several that have been put in operation for the St. Paul Flower Show this week is an Information Committee of ten members, who are on the floor at all times to answer questions by visitors regarding the variety, care, cultivation, etc., of the flowers and plants shown.

CLUB AND SOCIETY NOTES.

The Minnesota State Florists' Association will give a banquet on Monday evening, November 11, in honor of visiting members of the trade.

The annual meeting of the Massachusetts Horticultural Society for the election of officers for the ensuing year will be held at Horticultural Hall, Boston, at 12 o'clock, noon, on Saturday, November 16, 1912. Also several proposed amendments to the by-laws are to be voted upon at this meeting. The voting will be by Australian ballot and the polls will be open continuously between the hours of 12, noon, and 4 in the afternoon. J. K. M. L. Farquhar is the regular nominee for the office of president and we hope his many friends will attend and roll up a big vote for him.

Clubs and Societies

FLORISTS' CLUB OF PHILADELPHIA.

The meeting of the club held on the 5th inst. was rather slimly attended on account of the flower show and election night. Only routine business was transacted. The following committees were appointed:

Club Room: Fred Hahman, D. T. Connor, J. Westcott, G. Burton, G. Craig.

Games: Andrew Graham, Jno. H. Dodds, U. G. Rowley, Theo. Shober.

Novelties: Robert Craig, E. A. Stroud, W. Kleinheinz, H. S. Betz, A. M. Campbell.

Essay: Edward Reid, E. A. Stroud, Alfred Burton.

Membership: H. F. Michell, Chas. E. Meehan, Arthur Niessen.

Exhibits: Robert Kift, A. Farenwald, John F. Sibson, Leo Niessen.

New Committee on Publicity: S. S. Pennock, Robert Kift, E. A. Wohlert, George C. Watson, Montagu C. Wright, Robert E. Pyle, E. A. Stroud, Parker Thayer Barnes, Robert Craig, Howard M. Earl, J. D. Eisele, C. H. Fox, A. M. Herr, Thos. B. Meehan, Adolph Muller, David Rust, S. S. Skidelsky, J. Otto Thilow.

S. S. Pennock as convener of the latter committee has issued a call to meet Monday, November 11, 3 P. M.

Ex-Mayor Smith was reported seriously ill and as this is the first fall show he has missed the club decided to send him a fine offering of flowers and the big official of the Scottish Rite Temple will take them down in his auto to Jersey on Wednesday. S. S. Pennock was entrusted with the duty of making up this token of goodwill and esteem for an old friend of the club and the society.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The annual banquet and dance which will on this occasion celebrate the club's twenty-fifth anniversary, will be held at Horticultural Hall, Boston, on Monday evening, November 11, 1912, at 6 o'clock. There will be a fine array of speakers, including the Governor of Massachusetts and Mayor of Boston, in addition to many noted horticulturists from a distance. There will be a splendid entertainment, followed by a dance. There has already been a large sale of tickets, and any member who has not procured any should do so at once. As near as can be estimated, 300 will attend the banquet. Secure tickets from William Sim, H. H. Bartsch, P. M. Miller, William J. Patterson, W. J. Kennedy, Robert Cameron, Peter Fisher, S. J. Goddard, or Secretary W. N. Craig, North Easton, Mass.

Next Monday evening, November 11, will be Ladies' Night and Chrysanthemum Night at the New York Florists' Club. Frank H. Traendly will have charge of the catering and Charles Schenck will manage the vaudeville entertainment. The nominating committee will report lists of officers to be voted on at the December meeting, for 1913.

The forty-second annual meeting of the Michigan State Horticultural Society is to be held in Grand Rapids, November 12, 13, and 14. This date and place was selected so that the meeting might be held in conjunction with the apple show. The Michigan State Horticultural Society, like many others in the west is, practically, an organization in the interests of commercial fruit growing.

THE OHIO HORTICULTURAL SOCIETY

FIRST GRAND FLOWER SHOW

November 14th, 15th, 16th

\$4,000.00 PREMIUM LIST 15 SPECIAL PRIZES
SILVER CUPS AND MEDALS

ALL THE NOVELTIES IN

Roses, Carnations, Chrysanthemums

COME AND SEE THEM

If you have not received Premium List, write to
John N. Stockwell, Secretary, Cleveland, O.

DURING RECESS.

Washington vs. Baltimore.

The bowling team of the Florists' Club of Washington entertained a similar body representing the Gardeners' and Florists' Club of Baltimore at supper on Wednesday of last week and thereafter treated them to a severe defeat when the two teams clashed on the alleys of the Rathskellar for a three-string series. The Baltimore aggregation consisted of Messrs. Boone, Perry, Moss, Bauer and Klotzer, who came over early in the day to take in the chrysanthemum show held last week by the Agricultural Department. Their opponents were Messrs. Cooke, Shaffer, Dalglish, Ernest and McLennan.

Chicago Bowling Scores, October 30, 1912.

ROSES.		CARNATIONS.	
Goerisch,	138 132 170	Lorman,	133 145 117
Kreutz,	104 159 120	L'berm'n,	155 192 107
Cassie,	161 140 128	Armst'g,	120 100 118
Price,	165 174 164	Brunk,	140 122 105
Fischer,	147 149 205	A. Zech,	169 180 160
ORCHIDS.		VIOLETS.	
Lazaroff,	107 144 137	A. H'b'n'r	135 158 126
Graff,	126 196 181	Jacobs,	172 173 135
Cohen,	159 151 99	Cole,	166 122 135
George,	133 164 122	Schultz,	143 148 195
J. Zech,	192 133 128	J. H'b'n'r,	163 145 138

Notes.

The Chicago Florists' Club announces November 14th as Ladies' Night and promises a fine entertainment at the Hotel Sherman, free to all members whose dues are paid and their ladies.

The Cook County Florists' Association, Chicago, will give a reception

and dance at Buch Temple, Chicago avenue and Clark street, on Dec. 4th, from eight till twelve o'clock. Tickets 50 cents each. Allie Zech, chairman of the sports committee, has the matter in charge and hints that there is a surprise in store for the ladies.

NEW YORK NOTES.

A letter from Julius Roehrs, Sr., who is in Trinidad, states that he is feeling fine, but that the weather is uncomfortably hot there.

George Ditzenberg of the Woodcliffe Floral Co., N. J., is dangerously ill in the hospital at Hackensack, suffering from a serious malady.

Charles Thorley has closed up his branch store on West 28th street but has taken a store in West 29th street which he will use for receiving department, stock room, etc.

Peter Henderson & Co. are making elaborate preparations for their large exhibit at the National Flower Show and will have a display that will cause a sensation.

August Jurgens, the well-known florist of Chicago, was in New York last week as a witness in the case of the Federal Government against several forwarding agents of Chicago, charged with receiving rebates from the B. & O. R. R. on shipments of imported merchandise. It will interest some of our western readers who were fleeced by these custom house brokers to know that they pleaded guilty and were sentenced to one day's imprisonment and fines from \$1,000 to \$2,000.

Very few florists in large cities have

the facilities and advantages that Geo. M. Stumpp enjoys in the possession of over an acre of ground with greenhouses and frames, on East 67th street. Here are raised much of the plant stock, ferns, young palms, etc., for the demands of his large store at Fifth avenue and 58th street. The palm houses are at present filled with prime decorative stock, including specimen palms of large size and superb quality. An interesting and very pretty little novelty for this season is some standard thymus in 3-inch pots in exact miniature of standard bay trees. These little gems which are about ten or twelve inches high, Mr. Stumpp says were grown from cuttings made last spring. They have been selling at \$3 apiece!

Visitors: R. Vincent, Jr., White Marsh, Md., "bound away for New Orleans;" G. X. Amrhyn, New Haven, Conn.; W. J. Palmer, Buffalo, N. Y.

DAPHNE ODORA

The largest and best stock of this attractive and delightfully fragrant plant in the United States. Fine plants, 3 and four flower heads, \$1.00; 1 to 6 flower heads, \$2.00; 8 to 10, \$3.00.

CYRTOMIUM ROCHFORDIANUM,

The new Crested Holly Fern 2 in. 5c.
BUSHY FERNS, 2 in. pots, fine stock
and the best varieties 3c.

PRIMULA MALACOIDES, 3 in. pots 6c.
GODFREY CALLAS, splendid plants, 5 and
6 in. pots.

R. G. HANFORD

Norwalk - - - Connecticut

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse
Products for Florists

**PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS
PLANTS, EVERGREENS, ROSES, RHODODENDRONS,
VINES AND CLIMBERS, AUTUMN BULBS
AND ROOTS, CONIFERS, PINES**

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\$25.00 per 100; Own Root, \$15.00 per
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Beauty, \$8.00 per 100.

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per 100; \$60.00 per 1000.

Grafted, 3-inch pots.

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Seed Trade

Accident to J. Chas. McCullough.

We desire to correct an error that has appeared in several papers; the impression was given out that J. Charles McCullough, seedsman, Cincinnati, was shot while in front of his office. As a matter of fact, Mr. McCullough was on the Zoo-Eden Park street car, returning to the office, just ready to leave the car, when a revolver in some one's pocket was accidentally discharged, the bullet going through the fleshy part of the right forearm, just below the elbow, not injuring any of the bones. Mr. McCullough was immediately taken to the Good Samaritan Hospital where he is recovering rapidly and no serious results are anticipated.

Lily of the Valley Crop in Germany.

Later reports confirm the statements made some weeks ago in these columns by Chas. Lenker, relative to the condition of the lily of the valley crop about Hamburg. The pips have suffered from last year's drought and although the plants looked fine after a favorable summer this year, the pips have not regained sufficient strength to form flower buds. Deliveries will have to be cut down considerably.

Notes.

Escondido, Cal.—The German Seeu & Plant Co., of Los Angeles, has purchased a tract of land here said to contain 5,175 acres, at a reported cost of \$175,000.

Lexington, Ky.—The Central Kentucky Blue Grass Seed Co. has been incorporated with a capital stock of \$20,000. Clarence Le Bus, S. H. Halley, and C. H. Berryman are the incorporators.

The seed trade will be pleased to hear that Mr. Thomas W. Chisholm, sales manager for the Braslan Seed Growers' Company, Inc., is leaving the coast for his annual visit to the trade. After being in close personal touch with this season's harvest and the apportioning of the various acreages for the coming year's crop, Mr. Chisholm is well prepared with first-hand information for the trade.

The Department of Agriculture has issued instructions to consuls abroad that they shall make no charge for nursery stock certificates. Importing houses on this side should keep this fact in mind; also that there is nothing to pay for permits here and brokers who are charging \$5.00 apiece for procuring same for their customers are simply "roasting" them. Direct application to the Department is the remedy against this hold-up.

Herbert Greensmith has resigned from his position as landscape gardener of Cincinnati parks. W. R. Munger, tree surgeon in the department, will succeed him temporarily. Mr. Greensmith has been in the employ of the board for three years.

OBITUARY.

Gottfried Gross.

Gottfried Gross, florist, Twentieth and Main streets, Quincy, Ill., died on October 28, aged 64 years.

David A. Graham.

On October 20, David A. Graham, florist, of Joplin, Mo., died at his home, aged 56 years. He was born in Philadelphia and had been a resident of Joplin for about eight years. He leaves a wife and one daughter.

John Ross.

John Ross, proprietor of the Ross Nursery Co., 2820 Vermont avenue, Los Angeles, Cal., died on October 23, aged 82 years. Mr. Ross came from Toronto, Ont., Canada, over thirty years ago and had built up quite a business. Several sons and grandsons in the business survive him.

Charles E. Schoenle.

The sudden death of Mr. Charles E. Schoenle, who passed away Tuesday morning, October 29, was a great shock to his many friends in the trade here. He died of heart failure when just about to start from his home to open his retail store which he and his wife conducted at Lafayette and Jefferson avenues. Mr. Schoenle was a member of the St. Louis Florists Club and had just completed his three years as trustee. He was a faithful worker and will be greatly missed at the club meetings. He leaves a wife, a mother, four brothers and a sister to mourn his loss. The sympathy of the members of the club was expressed by attending the funeral which took place on Thursday, Oct. 31, from his residence at 3665 Cook avenue. Many beautiful floral pieces were sent.

Mr. Schoenle was 39 years of age and was connected with the flower business ever since a small boy. His first employment was with Luther Armstrong in the store and later with M. M. Ayres until he opened his own place. No one had more loyal friends than he and they all extended their sympathy to those he left behind.

GERMAN NOTES.

We are in receipt of another letter from Charles Lenker, dated at Hamburg previous to his sailing for New York on the Pennsylvania in which he tells of having seen a bill rendered for 100 carnation blooms, 28 marks, with express and packing charges added, C. O. D., which as we figure it made the cost to the retailer about \$7.75. No wonder Mr. Lenker adds: "I wish I could stay here."

He says: "Nothing impressed me more than Pape & Bergman's single flowered chrysanthemums, grown from seed sown in early spring. They make immense bushes with gorgeous flowers. A great deal of experimenting is done in the establishment of Mr. Pfitzer at his new place in the hybridization of the gladiolus. As it was just digging time my attention was drawn to the many seedlings, each carefully numbered, and the bulb put in a paper bag. There were over 13,000 of those single bulbs, each in a separate bag. Then come the diverse seedlings of one year's standing which are all planted in frames, and the num-

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LILY OF THE VALLEY (Cold Storage)
 Michell's Fancy } 250 500 1000
 Giant Flowering } \$4.50 \$9.00 \$17.00
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LILUM GIGANTEUM (Michell's Special Brand, New Crop)

	Bulbs Per case	Per 100	Per 1000
6-8 inch.....	400	\$4.00	\$36.00
7-9 ".....	300	6.50	60.00
8-10 ".....	225	9.50	90.00
9-10 ".....	200	11.00	100.00
10-12 ".....	150	16.00	150.00

LILUM GIGANTEUM (Cold Storage, Special Price to make room)

	Bulbs per case	Per case	Per 1000
6-8 inch.....	350	\$16.75	\$45.00
7-9 ".....	250	15.00	60.00

LILUM MULTIFLORUM (Michell's Special Brand)

	Bulbs per case	Per 100	Per 1000
6-8 inch.....	400	\$3.75	\$33.50
7-9 ".....	300	5.75	54.00
8-10 ".....	225	8.25	77.50
9-10 ".....	200	9.25	87.50

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bers run up to 12,000 there. This will give you an idea of the work."

PERSONAL.

Announcement is received of the engagement of Miss Hazel B. Lease of Spokane, Wash., to James Frederick Dawson, of Jamaica Plain, Mass. Miss Lease is a very popular young lady and a gifted musician. Mr. Dawson is the son of Jackson T. Dawson of the Arnold Arboretum and is a member of the firm of Olmsted Brothers at Brookline, Mass.

Dr. Frederick W. Hamilton, recently president of Tufts and Jackson Colleges, has re-entered the business field from which he withdrew several years ago for professional work as an educator, and has taken the position of general manager of the American Forestry Company. As a young man, Dr. Hamilton's successful business career combined with his broad education early brought him to the front. For many years he was a trustee of Tufts College and later became its president, keeping at the same time other high positions in the educational world, including membership of the Massachusetts State Board of Education. Dr. Hamilton will from now on make his headquarters at the offices of the American Forestry Company at 15 Beacon street, Boston, Mass.

Cincinnati visitors — Fred Rupp, Charles Simion, Peru, Ind., and Mr. Thomas, Augusta, Ky.

Boston visitors: George E. Baldwin, Mamaroneck, N. Y.; A. E. Thatcher and Edward Kirk, Bar Harbor, Me.; H. D. Darlington, Flushing, N. Y.; Thos. Knight, New York City.

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Very Best Quality for Immediate Order

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Calla Lilies, large size.....	\$5.00	
" extra selected..	7.50	
Freessias, Refracta Alba, first size75	\$7.00
Freessias, Refracta Alba, ex- tra large.....	.90	8.50
Narcissus, Paper White Grandiflora .....	.90	8.50
Hyacinths, single separate colors, un-named.....	2.10	20.00
Hyacinths, double separate colors, un-named.....	2.35	22.50
Narcissus, Empress double nose	1.60	14.00
Narcissus, Polyanthus double Roman	1.00	8.50
Oxalis, Bermuda Buttercup.....	1.00	8.50
Iris Hispanica.....	.30	2.50

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3 in. Field Pots. Roots.	Name.	Price per 100.	3 in. Field Pots. Roots.	Name.	Price per 100.	3 in. Field Pots. Roots.	Name.	Price per 100.
500	Achillea Mill. Roseum.....	\$ 3.50	300	Asclepias incarnata.....	\$3.50	100	Auricula Alpina.....	\$6.50
500	" The Pearl.....	3.50	110	Asperula hexaphylla.....	3.50	1000	Baptisia Australis.....	3.00
500	Agopodium Pod. Variegata.....	3.50	210	Aster Bty. Colwall (new).....	10.00	500	Bellis Perennis.....	2.50
1000	Agrostema coronaria.....	3.50	200	" F. W. Burbidge.....	3.50	1000	Boltonia Asteroides.....	3.00
500	Ajuga Genevensis.....	3.50	150	" Gertrude.....	3.50	750	" Latisquama Nana.....	4.50
400	Alyssum rostratum.....	3.50	150	" Laevis calliope.....	3.50	500	" ".....	3.50
1500	Anchusa Dropmore Var.....	6.50	250	" Novae Angliae.....	3.50	350	Buphthalmum Salicifolium.....	3.50
1000	" ".....	6.50	250	" " rubra.....	4.50	250	Callirhoe Involucrata.....	3.50
300	" Opal (New).....	7.50	200	" Amellus Elegans.....	5.50	200	Campanula Alliariefolia.....	4.50
500	" ".....	6.50	250	" Novelty.....	3.50	350	" Carpatica.....	4.50
500	Anemone Jap. Alba, Hon. Juhert.....	5.00	500	" Perry's Pink.....	4.50	250	" Grosecki.....	4.50
500	Anemone Jap. Alice.....	7.50	250	" Polyphyllus.....	3.50	375	" Latifolia Macran.....	5.00
500	" ".....	5.00	200	" Mad. Sayneuse.....	4.50	750	" Media var. colors.....	4.00
1000	" " Roseo sup.....	3.50	125	" Miss. Wilmot.....	3.50	900	" " ".....	3.50
1000	" " ".....	3.50	200	" Regina.....	3.50	500	" Calycanthema.....	4.50
250	" " Whirlwind.....	6.00	150	" Semiplenus.....	3.50	300	" " 3 colors.....	4.50
500	" " ".....	4.50	100	" Snowflake.....	1.50	300	" Persicifolia Moer.....	10.00
350	" " Pr. Heinrich.....	6.00	250	" Trinervis.....	1.50	350	Cassia Marylandica.....	4.50
500	" " Pennsylvania.....	3.50	150	" Top Sawyer.....	3.50	750	Centaurea Montana.....	5.50
250	" Pulsatilla.....	5.00	100	" Wm. Bowman.....	3.50	300	" " 3 colors.....	4.50
500	Anthemis Grandiflora.....	1.50	250	" " albus.....	3.50	500	Cephalaria Tartarica.....	4.50
750	" Noblis (Chamomile).....	3.50	250	" " Goliath.....	10.00	250	Cerastium Tomentosum.....	4.50
600	" Kelyayii.....	3.50	500	" " sub coerul.....	5.50	250	Chelone Lyoni.....	4.50
250	" " Alba.....	3.50	1250	" Grandiflorus (True).....	7.50	200	Clematis Heracleaefol.....	5.50
500	Aquilegia double mixed.....	3.50	300	" Ptarmicoides.....	3.50	200	Chrysanthemum Nipponi.....	6.00
500	" vulgaris blue.....	3.50	300	" White Queen.....	4.50	750	Chrysanthemum Inodo.....	4.50
500	" single mixed.....	3.50	500	" Thos. S. Ware.....	3.50	1000	Chrysanthemum Maximum.....	10.00
1000	Armeria marit. splenlens.....	1.50	200	" Perry's Favorite (True).....	10.00	2000	Coreopsis Lane, Grand.....	3.00
500	" " alba.....	1.50	100	Astilbe Davidii.....	7.50			
100	" Morechina.....	5.00	250	" Grandis.....	7.50			
500	Armeria Formosa Hybrida (fine).....	6.00	550	" New Hybrids.....	3.50			
500	Artemisia stelleriana.....	3.50						
500	" purshiana.....	3.50	200	Aubrieta deltoidea.....	6.50			

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ROSES AT PRICES 50% LESS THAN WHOLESALE RATES

3 in. Pots.	Field Roots.	Name.	Price per 100.	3 in. Pots.	Field Roots.	Name.	Price per 100.	3 in. Pots.	Field Roots.	Name.	Price per 100.
500		Corcepsis Rosea	\$1.50	400		Iris Germanica Adonis	\$2.50	500		Phlox Subulata white	\$5.00
300		Coronilla Varia	1.50	500		" Albino	2.50	500		" Amoena	3.50
300		Daisy Shasta	1.00	500		" Charlotte Patty	2.50	1000		" divar. Laphamii	7.50
350		" Alaska	5.50	250		" Chameleon	2.50	1000		Platycodon grandif.	4.50
150		" California	5.50	500		" Fairy Queen	2.50	750		Plumbago Larpena	4.50
250		Daisy, King Edw. VII.	5.50	750		" Garrick	2.50	200		Plumbago Larpena	3.50
800		" Triumph	1.50	650		" Md. de Brabant	2.50	400		Polemonium Richard	4.50
750		Delphinium Chinese	4.50	700		" Pauline	2.50	400		Polemonium Coeruleum	4.50
1000		" Choice Hybrids	5.50	250		" White Lady	2.50	250		Polygonatum majus	4.50
		Dianthus Barbatus, see Sweet William		500		" Palida Dalmatica	8.50	1000		Polygonum Cuspidat	3.50
750		" Abbottsford	4.50	2000		" Florentina Alba	3.00	250		Primula, elatior	5.50
100		" Comtesse Knuth (new)	10.50	500		" Mad. Chereau	3.00	1050		Primula, veris superba	7.50
300		" Delicata	6.50	3000		" Mixed, all colors	1.50	350		" vulgaris	5.50
750		" Perpetual Snow	5.50			For descriptions of above varieties see our catalog.		250		Prunella Webbiana	3.50
300		" Superbus	5.50	1500		" Japanese Double and single sorts, named	5.50	250		Pryethrum roseum	4.50
250		" White Reserve	6.50	500		" Siberica	4.50	450		Ranunculus rep. fl. pl.	3.50
250		" Fettes Mount	5.00	300		" Alba	4.50	200		Rudbeckia maxima	5.50
1000		" Alice Lee	5.50	500		" Lathyrus Latifolius	4.50	250		" Nitida	4.50
600		" Cyclops (single pink)	5.50	500		" Lathyrus Pink Beauty	5.50	400		" Newmanii	3.50
750		" Scoticus	5.50	300		" White Pearl (true)	10.00	500		" purpurea	4.50
400		" Sous. de Sales	6.50					1000		" subtomentosa	4.50
350		" Furst Bismark (Mule pink)	6.50	100		Linum Perenne	3.50	100		" Golden Glow	2.50
350		Digitalis Rosea	3.50	250		" Album	4.50	1500		Salvia argentea	4.50
400		" Alba	3.50	1000		Lobelia Cardinalis	3.50	500		Salvia azurea grandif.	3.50
500		" Grandiflora	1.50	250		" Syphilitica	4.50	350		Sage Holt's Mam	3.50
500		" Maculata	3.50	400		" Lychnis Chalcedonica	3.50	200		Santolina incana	3.50
600		" Monstrosa	5.50	250		" Carnea	5.50	450		Saponaria ocy. splend.	4.50
200		Eryngium Plenum	3.50	250		" Viscaria Splendens	5.50	300		Sedum acre	3.50
300		Erysimum Pulcinellum	3.50	300		" Semperflorens fl. pl.	5.50	1000		" maximum album	3.50
500		Eupatorium Ageratoides	3.50	575		Lysimachia Nummularia	2.50	150		" Maximowiczii	2.50
500		" Coelestinum	1.00	100		" Clethroides	4.50	300		" spectabilis	4.50
250		" " " "	4.50	300		Lythrum Roseum	3.50	250		" spurium coccine	3.50
300		Euphorbia Corolata	3.50	450		" Mint. Spearment	3.50	500		" sexangulare	3.50
100		Fragaria Indica	5.50	300		" Peppermint	3.50	250		" S p e c . Atropurpureum	4.50
250		Fuchsia Riccartoni, Hybs. (Hardy Fuchsia)	5.50	600		" Variegated	3.50	500		Sempervivum, hardy	3.50
1000		Funkia Albo-Marginata	3.00	750		Mertensia Virginica	3.50	100		Scabiosa Japonica	4.50
500		" Coerulea	3.50	500		Monarda Splendens Didyma	3.50	200		Senecio clivorum	7.50
250		" Sieboldii	4.50	250		Monarda Cambridge Scarlet	1.50	200		Sidalcea Murryana	3.50
500		" Subcordata		250		Monarda Violaacea Superba (new)	3.50	200		" purpurea	3.50
300		Galega Officialis	3.50	250		Monarda Violaacea Superba (new)	3.50	500		" candida	3.50
200		Galium Molluga	3.50	1000		Monarda Fistulosa, alba	2.50	750		Solidago canadensis	2.50
250		Geum Atrorubineum	4.50	350		Myosotis Palustris	3.50	250		Spirea palmata	4.50
250		Gypsophila Acutifolia	4.50	250		Nepeta Glechoma	3.50	500		Spirea palmata elegans	4.50
500		" Paniculata	4.00	500		Nierembergia Rivularis	5.50	250		Stachys lanata	3.50
250		" Monstrosa Repens	4.50	250		Oenothera Miesowrensis	4.50	500		Stokesia cyanea	4.50
500		Grass Arrhenatherum	3.50	250		" speciosa	1.50	300		Stokesia cyanea alba	4.50
1000		" Phalaris Variegat.	2.50	500		" Youngii	3.50	500		Sweet William Auricula-flowered	3.50
500		" Arundo Donax	7.50	250		Papaver Nudicaule	3 colors, 4.50	500		Sweet William, double crimson	3.50
500		" Arundo Donax Variegata	10.00	500		Pennyroyal	3.50	500		Sweet William, double white	3.50
500		Helenium Aut. Rubrum (true)	7.50	1500		Poppy orientale	4.50	150		Sweet William, Newport pink (new)	7.50
1000		" Aut. Superbum	4.50	500		" " "	3.50	200		Sweet William, Ever-blooming	4.50
500		Heliopsis Picheiriana	3.50	2000		" Bty. of Livermore	6.50	150		Symphytum aureum	3.50
100		" Semi-plena	3.50	100		" Duke of Teck	7.50	250		Tanacetum (custmary)	3.50
300		" Scaber major	3.50	250		" " "	6.50	500		Tansy	3.50
500		Helianthus H. S. Moon	3.50	200		" Prosperine	6.50	1000		Tarragon (Estragon)	6.50
200		" Maximiliani	3.50	100		" Prince of Orange	7.50	350		Thymus lanuginosus	4.50
1000		" Mollis Grandiflorus	3.50	500		" " "	6.50	250		" citroid aureus	4.50
500		" Miss Melish	3.50	100		" Prin. Vict. Louise	7.50	500		" English Thyme	3.50
500		" Orgyalis	3.50	4000		" " "	6.50	1300		Thalictrum Aquilegifolia	4.50
500		" Soliel d'Or	4.50	50		" Psyche	7.50	400		Tradescantia Vir.	3.50
250		Helianthemum Croceum	4.50	100		" " "	6.50	250		Trillium grandif.	4.50
5000		Helianthi (new vegetable)	1.00	200		" Rembranth	6.50	350		Tunica saxifraga	3.50
500		Hesperis Matronalis	3.50	200		" Salmon Queen	6.50	150		Valeriana coc. and alba	4.50
150		Hemerocallis Aurantiaca	7.50	500		Pardanthas Chinensis	3.50	500		Veronica officinalis	4.50
1000		Hemerocallis Flava	3.50	500		Pentstemon bar. Tor.	4.50	250		Veronica gent. fol. var.	4.50
1000		" Fulva	3.50	50		" diffusus	3.50	1000		Veronica incana	4.50
1000		" Kwanso Fl. Pl.	3.50	500		" digitalis	4.50	1000		Veronica long. subsessilis, first size clumps	5.50
200		" Orange Man	5.50	200		" grandiflorus	5.50	200		Veronica long. subsessilis	4.50
150		" Sovereign	5.50	250		" pubescens	3.50	500		Veronica rosea	4.50
750		" Thunbergi	5.00	150		Petasites Jap. Gigant.	5.50	1500		Veronica Prostrata	3.50
750		Hibiscus Moscheutos	3.50	1500		Physostegia virgin.	3.50	500		Vinca Minor	4.50
300		" Militaris	3.50	250		Physostegia virgin. alba	3.50	500		Viola cornuta, colors separate	3.50
800		Hollyhocks, Hendersen's Everblooming (new)	1.50	350		Physostegia Speciosa	1.50	250		Viola, colors separate	3.50
2000		Hollyhocks Allegheny	4.50	150		Phlox Bunyardi	5.50	1000		" G. Wermig. 2 in. pots	7.50
5000		" Double, 8 separate colors	5.00	5000		Phlox decussata in best named sorts	5.00	600		Wallflowers, English double and single, 2 yr.	5.50
200		Hop vines, green leaf	3.50	750		Phlox Indian Chief	5.00			New Shrub, Summer Lilac, Buddleia Veitchiana, strong field plants	7.00
250		" Golden	5.00	1500		" Miss Lingard	5.00				
350		Iberis Sempervirens	4.50	2500		" Subulata Rosea	3.50				
				3000		" rose	3.00				

Inc., SPARKILL, N.Y.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery
Association.

NEW YORK

413

A. J. Bungard
FLORIST

Madison Ave.
at 48th St.
Tel. Murray Hill
1920

New York

Bloomingdale's

The Largest Floral Establishment in the Metropolis
Best Service—Quick Delivery—Modest Prices
Telegraph Orders Carefully Filled

WILLIAM J. SMYTH

Cor. Michigan Ave. and 31st St.,
CHICAGO, ILL.

(Member Florists' Telegraph Delivery Asso.)
We ship to all points in Illinois and Iowa.
Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

Member of the Florists' Telegraph Delivery.
All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE

Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO

**WILLIAM L. ROCK
FLOWER CO.**

Kansas City, - - Mo.
will carefully execute orders for Kansas
City and any town in Missouri or
Kansas.

GEORGE M. STUMPP

761 Fifth Ave., Cor. E 58th St.

NEW YORK CITY

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

Of Interest to Retail Florists

Baltimore, Md.—The Eutaw Floral
Co., Louis Glick, proprietor, is to move
to South Broadway from Eutaw street.

Minneapolis, Minn.—Fred Folden,
florist, has moved from 1501 Sixth
avenue to 3403 Chicago avenue.

Battle Creek, Mich.—The Fisher
Flower Shop will move to the Post
Tavern block as soon as the store is
remodeled.

Woonsocket, R. I.—Drabble Bros.,
florists, with greenhouses at 480 Park
avenue, have announced the opening
of their new house which is 20 x 100
feet.

Houston, Texas—The Henk Dirken
Floral Co., Bell and Caroline streets,
recently established, is doing a nice
business. They specialize in Dutch,
French and Japanese bulbs.

STEAMER DEPARTURES

Allan.

Parisian, Boston-Liverpool...Nov. 16

American.

St. Paul, N. Y.-S'hampton...Nov. 16

St. Louis, N. Y.-S'hampton...Nov. 23

Atlantic Transport.

Minnetonka, N. Y.-London...Nov. 23

Cunard.

Caronia, N. Y.-Liverpool...Nov. 16

Pannonia, N. Y.-Mediterranean...Nov. 16

Campania, N. Y.-Liverpool...Nov. 20

Hamburg-American.

Pres. Lincoln, N. Y.-H'mb'rg...Nov. 19

Amerika, N. Y.-Hamburg...Nov. 28

Holland-America.

Noordam, N. Y.-Rotterdam...Nov. 12

Ryndam, N. Y.-Rotterdam...Nov. 19

Leyland.

Devonian, Boston-Liverpool...Nov. 16

Canadian, Boston-Liverpool...Nov. 23

North German Lloyd.

Kr. Wilhelm, N. Y.-Bremen...Nov. 12

Barbarossa, N. Y.-Bremen...Nov. 14

Berlin, N. Y.-Mediterranean...Nov. 16

Br. Kurfuerst, N. Y.-Bremen...Nov. 19

Pr. F. Wilhelm, N. Y.-Br'm'n...Nov. 23

Red Star.

Finland, N. Y.-Antwerp...Nov. 13

Vaderland, N. Y.-Antwerp...Nov. 20

White Star.

Adriatic, N. Y.-Liverpool...Nov. 14

Majestic, N. Y.-Southampton...Nov. 16

Arabic, Boston-Liverpool...Nov. 19

Baltic, N. Y.-Liverpool...Nov. 21

Oceanic, N. Y.-Southampton...Nov. 23

Cretic, Boston-Mediterranean...Nov. 23

NEW FLOWER STORES.

Bennington, Vt.—Burt, the Florist,
Main and Valentine streets.

Newton Centre, Mass.—H. J. Mc-
Grady, Centre street.

New York, N. Y.—Robert Press-
freund, 3493 Broadway.

Cranford, N. J.—Walter M. Crane,
15 North avenue, east.

St. Louis, Mo.—Kings Highway Flor-
al Co., Page and Kings Highway.

Chicago, Ill.—Philip Vitellow, 175
West Jackson Boulevard; Sadie Black-
ley, 3101 Cottage Grove avenue.

Houston, Texas—Houston's Up-to-
Date Flower Store, Main street and
McGowan avenue.

Philadelphia, Pa.—The Boulevard,
50 North Fifteenth street, Kline &
Pappas, managers.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

*Cost of Cabling Foreign Deliveries
Must be Prepaid*

Reference or cash must accompany all
orders from unknown correspondents.

Cable Address, ALEXCONNELL.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

BROOKLYN—NEW YORK

Wilson
FLORIST

3 & 5 Green Ave.
Tel. 6800 Prospect

337-347 Green Ave.
Tel. 3908 Prospect

THE ROSERY

76 MAIDEN LANE

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

Hatcher
Estab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

Established 1874

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City
(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspon-
dence in all the large cities of Europe and the British
Colonies. Telegraph and Cable address, Dardspier.

W. J. Palmer & Son

304 Main Street,

Buffalo, N. Y.

Members Florists' Telegraph Asso.

LOUISVILLE, KY.

JACOB SCHULZ,
550 South Fourth Ave.

Member Florists' Telegraph Delivery.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston
and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

BOSTON'S BEST
In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, BOSTON.

CARBONE

Member Florists' Telegraph Delivery

342 Boylston St., Boston

Vases, Garden Furniture, Art Goods and
New Designs in Tuscan Baskets for
Florists' Use, in Wholesale Department.

H. F. A. Lange

WORCESTER, - MASS.

Deliveries to all Points in New England.
125,000 square feet of glass.

FOR NEWPORT

Narragansett Pier and All Other Rhode
Island Points

Transfer Your Orders to

GIBSON BROTHERS

36 WASHINGTON SQUARE, . . . NEWPORT, R. I.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists Telegraph Delivery

Flower Deliveries In

ROCHESTER, N.Y.

Salter Bros

38 MAIN STREET, WEST.

The California Florist

JULIUS EPPSTEIN — FRANK H. FORREST

344 - 346 Geary Street, SAN FRANCISCO,
and Hotel St. Francis, CAL.

We cover the entire Pacific Coast and West
of the Rockies. Wire us your orders for
all Steamers sailing for Honolulu, Manila
and the Orient. Regular Trade Discount

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

Pelicano, Rossi & Co.
123 KEARNY ST.

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - - TORONTO, ONT.

Of Interest to Retail Florists

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 78 Maiden
Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Ed. MacMulkin, 194 Boylston St.
Boston—Penn, the Florist, 37-43 Brom-
field St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Phillip L. Carbone, 342 Boylston
St.

Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Denver, Col.—Park Floral Co., 1843 B'way.
Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912
Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Wash-
ington Sq.

New York—George M. Stumpp, 761 Fifth
Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 4th St.
and Madison Ave.

New York—Alfred T. Bunyard.
Providence, R. I.—T. J. Johnston & Co.,
171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main
St., West.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

San Francisco, Cal.—The California
Florist, 344-346 Geary St.

San Francisco, Cal.—Pellicano, Rossi &
Co., 123 Kearny St.

Schenectady, N. Y.—J. C. Hatcher.
St. Paul—Holm & Olsen, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Wellesley, Mass.—Tailby.
Worcester, Mass.—H. F. A. Lange.

NEWS NOTES.

New York, N. Y.—L. B. Nason is a
new wholesale commission florist at
116 West 28th street.

Asheville, N. C.—D. A. Lashley, pro-
prietor of the Idlewild Greenhouses, is
succeeded by A. C. Whitney.

New Haven, Conn.—The florist busi-
ness of Doughty & Co., 200 Kimberley
avenue, has been taken over by their
former manager, W. H. Barnett.

Memphis, Tenn.—The recent report
that Otto Schwilb & Co. are to build a
greenhouse and store is incorrect. It
should have referred to the Idlewild
Greenhouses, of which Otto Schwilb
formerly was proprietor.

Boston, Mass.—Penn, the Florist,
37-43 Bromfield street, has for some
time had an attractive exhibition in
the window of an adjoining vacant
store, of which the central attraction
is a lay figure, gowned as a bride and
carrying a shower bouquet of lily of
the valley and the veil caught up with
the same flower.

BOSTON, MASS.

Penn the Florist

"Penn, The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET

TRANSFER

Your orders for flower or plant de-
livery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston



**WASHINGTON,
D. C.**

GUDE'S

Member Florists'
Telegraph Delivery.

Chicago.

A. LANGE,

25 E. MADISON ST.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

WASHINGTON

915 F ST. N. W.

F. H. KRAMER

Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work First Class

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 44-3.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you
require, and for what kind of cut flowers you wish
to use the refrigerator; also state whether you
want it for display or only for storage.

McCray Refrigerator Co.,
553 Lake Street, Kendallville, Ind.

Mention *Horticulture* when you write.

THE Florists' Supply House of America

H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa

In ordering goods please add "I saw it
in *HORTICULTURE*."

WASHINGTON NOTES.

William F. Gatchell has entered the employ of George C. Shaffer. Mr. Gatchell was formerly employed by Fred H. Kramer.

Charles Scarborough is again at the store of Gude Bros. Company after a very long stay on his father's farm in New Jersey.

Leonard Lynch is now at Marche's, having returned from Richmond, Va., where he has been employed since the first of the year.

A. Lauscher, for a number of years in the employ of Z. D. Blackistone, leaves this week for Lynchburg, Va., where he will engage in the florist business for himself.

The Retail Merchants' Association, of which several florists are members, are about to take the field against the vendors of fruits, vegetables and flowers who line Seventh street and sell goods to the detriment of legitimate dealers.

August Poehlmann, of Morton Grove, Ill., appeared before the Interstate Commerce Commission at a hearing given upon a complaint made that the coal freight rates of a certain railroad out of Chicago were exorbitant and discriminating. As Poehlmann Bros. consume over 30,000 tons of coal a year, a rebate of 40 cents per ton, as asked for, would count up.

Visitors: J. McHutchison and A. F. Faulkner, New York; Will Craig, S. S. Pennock, C. E. Meehan, Ed. Fancourt, Sydney Bayersdorfer, Frank Goudy and Robert Shoch, all of Philadelphia; J. K. M. L. Farquhar, Wm. J. Stewart, F. W. Rane, Dr. Fernald, and Albert E. Briggs, all of Boston; Theo. F. Borst, South Framingham, Mass.; Thos. B. Meehan, Dreshertown, Pa.; Prof. A. E. Stene, Kingston, R. I.

The S. S. Pennock-Meehan Company are now doing business in their handsome new building at 1216 H street, N. W., although all the fixtures have not as yet been installed. One innovation in this new store is the natural-air-cooled chamber for the storage of carnations and other flowers which do not have to be kept in a refrigerator. The outside air comes down a shaft which opens out near the floor, while the warmed air escapes through a similar shaft having an opening near the ceiling. This room is in the basement where also has been built a large ice room for the storage of certain flowers, and greens, and the heating plant is towards the front. The store itself is exceptionally large and has a cement floor and metal ceiling. The furniture is of mission oak with a silver gray finish. There are two entrances, one at the front for customers and a large double door at the rear, up to which wagons may drive to receive or deliver goods and beside the latter are two windows which, with two skylights and a large display window at the front, light the store. Powerful electric lamps are suspended from the ceiling and ten drop lights in the display window show up the pot plants to good advantage. The offices are at the rear on a balcony floor. Mr. William E. McKissick, who is in charge, hopes to have everything completed by November 21, when the formal opening of the store will take place.

HALLOWE'EN WINDOW.



Our picture shows the Hallowe'en window decoration in the new flower store of O. A. C. Oehmler at 1329 G street, N. W., Washington, D. C. Au-

turn foliage, cornstalks, pumpkins and weird lighting were well used and chrysanthemums gave the finishing touch to a scene that attracted many.

FLORISTS' TELEGRAPH DELIVERY ASSOCIATION.

We extract from a letter of President Irwin C. Bertermann the following interesting paragraphs regarding this useful Association and its possibilities if properly supported by the trade it seeks to serve:

"This is an organization with now some sixty members who are interchanging business. Confidence inspired by the knowledge that flowers may be sent without shortcomings, will certainly tend to increase sales enormously. Flowers have a peculiar advantage over all commodities in that they are used for the important events of life upon which anything else would not bear the delicacy or diplomacy possible with flowers. W. L. Rock, of Kansas City, at the recent F. T. D. meeting, spoke as follows:—

"During the year 1909, which was the year previous to the birth of this organization, if I remember right, we sent out 360 orders from our place of business, amounting to \$2,950.00. In the year 1910 we sent out 405, aggregating \$3,150.00. In 1911 the business aggregated \$3,450.00 with 435 orders sent out."

"The above statement would justify an approximate estimate of the inbound and outbound business to be \$7,000.00 annually. Multiply this by sixty, the membership of the F. T. D., and you have \$420,000.00 worth of business possible by sixty members, equalling in size the Rock firm. Taking two hundred firms on the same basis, would result in a volume to \$1,400,000 worth of business possible and probable for a year!"

We don't see how any enterprising retail florist can afford to stay out of such an organization. The small annual dues, as compared with the advertising received, not to mention the actual business transacted, and the general upbuilding of the flower business, amount to practically nothing. Albert Pochelon of Detroit, Mich., is the secretary.

PHILADELPHIA NOTES.

Mr. Eschner of M. Rice & Co. comments on the ready sale of thistles and poppies which the trade seem to value highly as useful accessories.

The supply houses are working nights. This shows what push and liberal advertising can do. The old conservative houses may complain. The "everlastingly at it" are pointing the way.

Eugene Weiss will open a retail flower store at Cheltenham and Germantown avenues in a few days. This with the two Berger stores and the Heilerman and Hastings places will make this neighborhood quite a retail center. Five stores all within a block or two. Mr. Weiss is well known in the retail trade, having for many years conducted a store on North Eighth street.

Visitors: J. Benson Stafford, Wm. F. Kasting and W. J. Palmer, Buffalo, N. Y.; J. L. Ratcliffe, Richmond, Va.; James Hill, Jacksonville, Fla.; E. A. Seidewitz, Baltimore, Md.

PERSONAL.

John T. Lovett, Jr., of Little Silver, N. J., was married on October 24th to Miss Gwendolyn Towt, of Nyack, N. Y.

Miss Margaret Norberg has resigned her position with the Henry Smith Floral Company, Grand Rapids, Mich., and is now employed by the Grand Rapids Floral Company, 18 Monroe avenue.

Miss Eva Beatrice Newman, of Malden, Mass., has left for Oakland, Cal., where she is to marry Arthur Polley, who is engaged in the florist business there. The marriage is the result of an acquaintance that began before either came to America from England.

"MRS. GEORGE SHAWYER"

IS THE NAME OF THE NEW PINK ROSE

We have been exhibiting as No. 190, and which has jumped at one bound into premier position as the best forcing rose in sight today. Look it over in the Flower Show!! Come up and see it growing — and convince yourself.

"CARNATIONS"

COMMODORE, NORTHPORT, SALMON QUEEN and ENCHANTRESS SUPREME. All splendid varieties in their respective colors.

"CHRYSANTHEMUMS"

Yes! Our usual list of Wells-Pockett Novelties, also a list of Novelty Singles, such as Josephine, Joan Edwards, etc., etc.

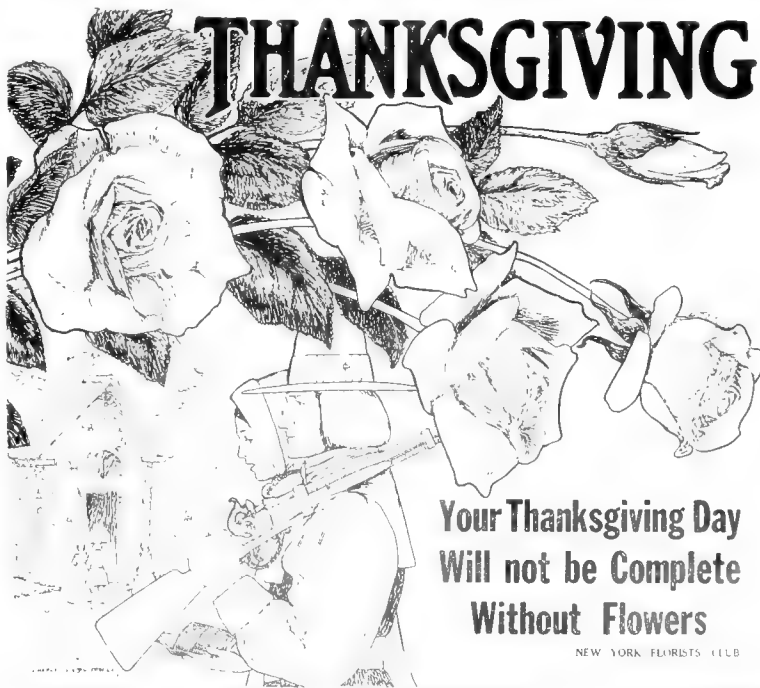
CHARLES H. TOTTY

MADISON, N. J.

BOOMING THE BUSINESS.

The accompanying illustration shows in black and white the Thanksgiving Day show card which the Publicity Committee of the New York Florists' Club is going to distribute to the retail trade for display in their shop windows the week preceding November 28, Thanksgiving Day. This card will make a very taking appearance, printed in three colors on a sheet 12¼ inches wide by 11 inches deep. This show card in turn is mounted on a neutral cardboard 14 inches wide and 13 inches deep, the board being punched for a cord by means of which it is suspended. These cards are forwarded to each recipient in large, manila envelopes, into which are also placed 50 box slips, about 4½ x 6 inches, on which will be printed a few facts concerning the observance of Thanksgiving Day and the use of flowers for that occasion. Retailers will be requested to place one of these slips in each package or box of flowers they send out prior to Thanksgiving Day, in order to promote sales of flowers on Thanksgiving Day itself.

The drawing is by a celebrated artist, Charles Livingston Bull, and represents a spray of deep pink roses as the leading feature. In the lower left hand corner is shown a Puritan and his wife going to Thanksgiving service in the little stone church in the distance. The Puritan is armed with his flintlock musket, as was the custom in those days. The ancient and modern customs of celebrating Thanksgiving are thus brought into full contrast.



This will be the second show card distributed by the Publicity Committee of the New York Florists' Club. The first, a Halloween show card, met with great favor, and it is expected that the Thanksgiving card, on account of its artistic execution, will be in still heavier demand. At least 2000 of these latter will be distributed in New York City and its immediate vicinity, and it is expected that

this distribution will have a marked effect upon the people at large, inducing them to purchase flowers for Thanksgiving.

Sedalia, Mo.—Mr. and Mrs. L. H. Archias celebrated their twentieth wedding anniversary recently, at their home, Fourth street and Park avenue. Mr. Archias is manager of the Archias Garden and Farm News.

CHRYSANTHEMUMS

\$8.00-25.00 per 100.

Our growers are strong on the mid-season varieties, and they include all the best of the season.

Pompons

\$3.00, \$5.00 per dozen bunches. In great variety of colors. Liberal sized bunches.

Cattleyas and Gardenias

A fresh supply every morning.

Business Hours: 7 A. M.—8 P. M.

The Leo Niessen Co.

WHOLESALE FLORISTS
N. W. Corner 12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR
FLORIST'S
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST. BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

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CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	CINCINNATI October 15	DETROIT November 4	BUFFALO November 5	PITTSBURGH November 5
Am. Beauty, Fancy and Special....	15.00 to 25.00	30.00 to 35.00	15.00 to 20.00	25.00 to 30.00
“ “ Extra.....	10.00 to 15.00	25.00 to 30.00	10.00 to 15.00	15.00 to 20.00
“ “ No. 1.....	6.00 to 10.00	15.00 to 25.00	6.00 to 10.00	8.00 to 10.00
“ “ Lower Grades.....	3.00 to 6.00	4.00 to 12.00	2.00 to 4.00	4.00 to 6.00
Killarney, Richmond, Maryland....	2.00 to 6.00	4.00 to 9.00	3.00 to 8.00	4.00 to 10.00
Bride, 'Maid.....	2.00 to 6.00	4.00 to 8.00	3.00 to 5.00	..... to
Hillingdon, Ward, Melody.....	..... to 8.00	4.00 to 10.00	4.00 to 7.00	4.00 to 10.00
Taft, Sunburst.....	2.00 to 6.00	4.00 to 8.00	3.00 to 8.00	4.00 to 10.00
Carnations.....	.50 to 2.00	2.00 to 3.00	1.00 to 2.50	1.50 to 2.50
Cattleyas.....	..... to 50.00	..... to	40.00 to 50.00	50.00 to 60.00
Lilies, Longiflorum.....	10.00 to 12.50	..... to 15.00	10.00 to 12.00	8.00 to 10.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	..... to 4.00	3.00 to 4.00
Violets.....	..... to .25	.50 to .75	..... to .50	..... to .50
Chrysanthemums, Fancy.....	20.00 to 25.00	20.00 to 35.00	18.00 to 20.00	15.00 to 20.00
“ “ Ordinary.....	8.00 to 15.00	5.00 to 15.00	6.00 to 12.00	6.00 to 12.00
Daisies.....	..... to .....	..... to .....	..... to 1.00	.50 to 1.00
Sweet Peas.....	..... to .25	..... to .....	.50 to .75	..... to
Gardenias.....	..... to .....	..... to .....	..... to .....	..... to
Adiantum.....	..... to 1.00	1.00 to 1.50	.50 to 1.00	1.00 to 1.25
Smilax.....	10.00 to 12.50	..... to 15.00	..... to 15.00	10.00 to 15.00
Asparagus Plumous, Strings (100).....	35.00 to 40.00	15.00 to 25.00	40.00 to 60.00	40.00 to 50.00
“ “ & Spreng. (1000 bchs.).....	25.00 to 35.00	15.00 to 25.00	25.00 to 35.00	40.00 to 60.00

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OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

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Chicago Flower Growers' Association

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GARDENIAS

With their purity and fragrance and rich glossy green foliage, nothing choicer or more beautiful.

SPECIAL, per dozen, \$4.00
FANCY, " " 3.00
FIRST, " " 2.00

GARDENIA FOLIAGE per bunch 25c. For making up wreaths, something decidedly new, a distinct novelty.

VALLEY: Special, \$4.00 per 100; Extra, \$3.00 per 100.

WHITE ORCHIDS: \$6.00 per doz., \$40.00 per 100.

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WILD SMILAX: \$5.00 per case.
GREEN GALAX: \$1.50 per 1,000; \$7.50 per 10,000.
BRONZE GALAX: \$1.50 per 1,000.
LEUCOTHOE SPRAYS (green): \$1.00 per 100; \$7.50 per 1,000.
GREEN SHEET MOSS: \$3.50 per bag.
SPHAGNUM MOSS: Ten bbl. bales, nicely burlapped, each, \$4.00; 5 bale lots, \$3.75 each; 10 bale lots, \$3.50 each; 25 bale lots, \$3.25 each.
MEXICAN IVY: \$1.00 per 100; \$7.50 per 1,000.
BOXWOOD: 50 lb. cases each \$7.50



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117 West 28th Street

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1212 New York Avenue

Flower Market Reports

BOSTON

Business is quiet but not entirely asleep. It might be better but, considering the prevailing conditions of weather and supply, nobody can reasonably find fault. There is no pressing demand for anything. There is a heavy load of the cheaper grades of chrysanthemums hanging around to the great detriment of everything else. Carnations are improving; White Wonder and Enchantress are pretty well up to winter standard. Single violets lead the doubles in popularity and price. American Beauty does not enjoy the spurt reported from other cities but shares with the smaller roses the condition of "innocuous desuetude" which is a thorn in the flesh of the rose grower at such times as the present. Outdoor flowers got their quietus on Sunday and Monday last—a very late date in this latitude.

BUFFALO

A good week in the sale of chrysanthemums, but not so well on other lines. Roses were abundant, with a good assortment of all varieties, grades and quality and the demand lacked, especially on short grades. Red Killarney are in excellent color, and are at times preferred to pink. Carnations are coming on better and the quality is good, White Perfection, Enchantress and Beacon are best, though good Ward, Ideal and Pink Delight are had, but stems a little short. Lilies are scarce and with no special call. Beauties continue good, cattleyas not over-plentiful and violets have sold better. The coming week is looked for to consume a good lot of stock, as the flower show begins on Wednesday and continues throughout the week.

CHICAGO

Market conditions the past week have fluctuated more than for some time, each day varying from the

WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON November 7	CHICAGO November 4	ST. LOUIS November 5	PHILA. November 5
Am. Beauty, Fancy and Special...	15.00 to 25.00	10.00 to 25.00	20.00 to 30.00	25.00 to 30.00
" " Extra	15.00 to 25.00	10.00 to 25.00	20.00 to 30.00	25.00 to 30.00
" " No. 1	6.00 to 8.00	10.00 to 15.00	10.00 to 15.00	10.00 to 12.00
" " Lower Grades	1.00 to 4.00	5.00 to 10.00	3.00 to 4.00	6.00 to 8.00
Killarney, Richmond, Maryland...	1.00 to 6.00	3.00 to 8.00	2.00 to 5.00	3.00 to 6.00
Bride, Maid...	1.00 to 4.00	3.00 to 6.00	2.00 to 3.00	3.00 to 6.00
Hillingdon, Ward, Melody...	1.00 to 6.00	3.00 to 8.00	3.00 to 6.00	3.00 to 6.00
Taft, Sunburst	1.00 to 6.00	2.00 to 8.00	3.00 to 6.00	3.00 to 6.00
Carnations...	1.00 to 2.00	2.50 to 4.00	1.00 to 2.00	1.50 to 3.00
Cattleyas...	35.00 to 40.00	35.00 to 50.00	50.00 to 60.00	25.00 to 40.00
Lilies, Longiflorum	6.00 to 8.00	10.00 to 12.50	12.00 to 15.00	8.00 to 12.00
Lily of the Valley	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Violets	3.00 to 3.50	5.00 to 7.50	2.50 to 3.50	3.50 to 7.50
Chrysanthemums, Fancy	12.00 to 25.00	8.00 to 35.00	15.00 to 20.00	15.00 to 25.00
" Ordinary	4.00 to 8.00	8.00 to 20.00	5.00 to 12.00	8.00 to 10.00
Daisies	1.00 to 1.50	1.00 to 1.25	1.00 to 1.25	1.00 to 1.25
Sweet Peas	50 to 50	50 to 75	50 to 75	50 to 75
Gardenias	15.00 to 25.00	25.00 to 35.00	1.00 to 1.25	20.00 to 25.00
Adiantum	1.00 to 1.00	75 to 1.00	1.00 to 1.25	1.00 to 1.50
Smilax	10.00 to 12.00	12.00 to 20.00	12.00 to 15.00	12.00 to 15.00
Asparagus Plumosus, Strings (100)	50.00 to 50.00	40.00 to 60.00	35.00 to 50.00	35.00 to 50.00
" " & Spreng. (100 Bchs.)	25.00 to 25.00	35.00 to 50.00	15.00 to 25.00	25.00 to 50.00

other. It is hard to generalize, for with both stock and demand, wholesalers are apparently finding their experiences differing widely. For many weeks stock has been uniformly scarce but now chrysanthemums are coming in about as fast as they can be used and, with some dealers, faster. With others, however, they only remain long enough to be unpacked. Pompons are now in their prime, every color and size being in evidence. Carnations are by no means fancy in size or stem, but so generally scarce are they that the price is what fancy would usually bring. Sweet peas are scarce, few being seen in the market. Roses are quite equal to the demand and the quality good. Home-grown violets are plentiful, the quality fair and price low. American Beauties of all lengths are to be had and the shorter lengths sell quickly. As is to be expected, chrysanthemums reign supreme and most dealers are inclined to think the quantity grown not so large as in previous years.

CINCINNATI

The market is well stocked in every line. The aggregate

sales are good but the highest prices are scarcely ever realized on the stock. Shipping business is good. In chrysanthemums white are clearing up regularly. The yellow are a little more abundant than conditions require. In the offerings of this last color are the most elegant line of Major Bonaffon this market has ever known. The rose market is easy. An adequate supply of each variety is offered. Only the best find a ready sale. The call for American Beauties is again increasing. The carnation supply is not large. It is good that this is so for the pompon chrysanthemums are attracting a good bit of the general demand that would ordinarily go to them. Lily of the valley, double violets, orchids, lilies and sweet peas are good sellers.

NEW YORK

er in the early part of the week business was certainly getting good, but with a return of the genial autumn warmth things lost that snap and go which should now be with us to stay. Prices

Continued on page 650

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THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Nov. 2 1912		First Half of Week beginning Nov. 4 1912	
American Beauty, Fancy and Special	15.00	to 25.00	20.00	to 30.00
" " Extra	10.00	to 20.00	8.00	to 12.00
" " No. 1	4.00	to 8.00	6.00	to 8.00
" " Lower Grades	1.00	to 3.00	1.00	to 3.00
Killarney, Richmond, Maryland .....	.50	to 4.00	1.00	to 5.00
Bride, Maid .....	.50	to 4.00	1.00	to 5.00
Hillingdon, Ward, Melody50	to 6.00	.50	to 6.00
Taft, Sunburst50	to 8.00	.50	to 8.00
Carnations50	to 1.50	.50	to 1.50

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Thos. Tracey, Manager, Albany, N. Y.
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All seasonable Cut Flowers, Florist's Supplies and Green Goods furnished at short notice. We are sales agents for several large cut flower growers in this vicinity. We intend to make this city a distributing point not only for the florists in Albany but also for those engaged in business in New York State, Vermont and Western Massachusetts. Orders will be promptly filled and at a reasonable market price.

Save time and money by sending your orders to us.

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Fine Quality of Brilliant Bronze and Green Galax, 40c. per 1000; \$3.00 per case of 10,000.

A-1 Dagger and Fancy Ferns, 75 cents per 1000.

Laurel Festooning, 4 cents per yard.

Bunch Laurel, 25 cents per bundle.

All other Evergreens at lowest prices. Write, Wire or Telephone.

MILLINGTON FERN CO.
MILLINGTON, MASS.

Telegraph Station, New Salem, Mass.
Unknown Customers—Cash with order or reference.

Flower Market Reports

(Continued from page 640)

are not anything like good enough to please the grower, but what can one do? The goods are there but no purchasers. It has been a bad week of trading all around, apart from any ill effects which the election always brings to business. Chrysanthemums are now very fine, as are roses of all stocks, but American Beauty is just now shy with us. All other stocks are in good enough supply.

Tone of market PHILADELPHIA rather better. No advance in average prices; but better clean-up, and returns on the whole have showed an improvement. American Beauty roses scarce and probably the best seller on the list. Among pink roses Killarney and Maryland are the leaders and both very good, indeed, especially Maryland, which have improved greatly both in stem and flower. Size and substance is now at high standard. Double White Killarney leads the procession in whites. As for the yellows—the market is certainly very rich in these and Sunburst is at present the bright particular star as a golden glory. A great feature of this new rose is its keeping qualities. Mrs. Aaron Ward is also among the favorites in the "seven great yellows." Just think of it—seven yellow roses, and all going well! How many of our readers would have believed such a thing possible seven years ago? Up to very recently yellows were not wanted, but since Melody came note the change in sentiment! A marked advance is noticeable in carnations, both in length of stem and substance of flower. The leaders are still Ward and Pink Delight. Bonaffon is the boss of the chrysanthemum situation. In whites at present Razer holds sway, but by the time this gets in print it will be Chadwick. There has been a falling off in the cattleya supply and prices have improved slightly. Weather cooler and consequently more favorable for the keeping quality of violets. The last of the dahlias came November 4th. Never before have we seen them hold on so long. But at last these and all other outside stuff are gone and the poor harassed greenhouse men draw a sigh of relief.

ST. LOUIS The market had a fairly good week in trading. Cut flowers of all kinds were in plenty at any of the wholesale houses. Business seems good in all branches among the local retailers but the supply has been so great that the commission men seem

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

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WILLIAM F. KASTING CO.

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CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION.

Home-grown Stock a Specialty. STRICTLY WHOLESALE; NOTHING SOLD AT RETAIL.

Ample reference furnished as to standing and financial ability of the company.

123 MANSFIELD STREET, MONTREAL, P. Q.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Nov. 2 1912	First Half of Week beginning Nov. 4 1912
Cattleyas.....	15.00 to 35.00	15.00 to 4.00
Lilies, Longiflorum.....	2.00 to 4.00	2.00 to 5.00
Lily of the Valley.....	1.00 to 2.50	1.00 to 3.00
Violets.....	.15 to .35	.15 to .35
Chrysanthemums, Fancy.....	8.00 to 25.00	8.00 to 25.00
Ordinary.....	2.00 to 6.00	2.00 to 6.00
Daisies.....	..... to 2.00	..... to 2.00
Sweet Peas.....	1.00 to 2.00	1.00 to 2.00
Gardenias.....	4.00 to 25.00	10.00 to 20.00
Adiantum.....	..... to .50	..... to .50
Smilax.....	6.00 to 8.00	6.00 to 8.00
Asparagus Plumosus, strings (per 100).....	..... to 25.00	..... to 25.00
& Spreu (100 bunches).....	8.00 to 12.00	8.00 to 12.00

unable to dispose of their consignments unless in big lots and at cheap prices. Chrysanthemums are the selling flower just now and this is the cause of the big glut in roses at the present time. Roses, unless sold cheap, have little call except for the extra fancy grades. The same may be said of carnations. This market has too many of the common short stem ones which don't sell well. Violets are coming in better and there are plenty of them. Lily of the valley and lilies sell well and all greens had a good call all week.

WASHINGTON Business during the pre-election week was quite

slow as usual during election years. The cold wave has killed off considerable of the outdoor stock which has been flooding the markets since last August. There is a plentitude of everything with the one exception of carnations, which are scarce in the colors. The Fire Flame (single) rose is one of the season's latest offerings

and of these there is a moderate supply at \$1.50 a dozen. American Beauty roses are being offered at from \$2.00 up; other roses are bringing from \$4.00 to \$7.00, and even more for the choice stock. Violets are more plentiful and are in better condition.

The creation of a new horticultural station, to be known as the South Idaho station, and located at Jerome, Idaho, has been authorized by Dr. B. T. Galloway, the director of the bureau of plant industry. Its work will include the solution of important problems connected with the raising of potatoes under irrigation methods and the production of sugar beet seed.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

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38-40 BROADWAY, DETROIT, MICH.

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Asparagus plumosus nanus, 4-in., \$8.00 per 100; \$75.00 per 1000. Cash. A. B. Cronbaugh, Ada, Ohio.

Asparagus Plumosus, 2½ inch, 2c.; 3 inch, 3c. Sprenger, 2¼ inch, 1½c.; 3 inch, 2½c. Hill Top Greenhouses, Utica, N. Y.

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SURPLUS STOCK of standard varieties at bargain prices. Send for list of splendid novelties. Chamberlain & Gage, Groton, Mass.

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Glory of Cincinnati.

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100,000 Berberis Thunbergii, from 6 in. to 2½ ft., and new seed of same; also Clematis paniculata, 1, 2 and 3-yr. old, and new seed. Get my prices. Benj. Connell, Florist, Merchantville, N. J.

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For page see List of Advertisers.

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BURLAP MATS

Wm. Elliott & Sons, New York, N. Y.
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CANNAS

THE IMPROVED CANNAS.

You can double your profits by stocking up with the new cannas. Be sure to get our list before you place your order. The Conard & Jones Company, West Grove, Penna.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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B. G. Merritt & Co., Grange, Md.
Field-Grown Carnations.

Chas. H. Totty, Madison, N. J.
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CHRYSANTHEMUMS

S. S. Pennock-Meehan Co., Phila., Pa.
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Chas. H. Totty, Madison, N. J.
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Chrysanthemum stock plants of Unaka and Smith's Advance, \$5.00 per 100; Chrysolora, best early yellow, 2-in. pots, \$6.00 per 100. Cash with order. Wm. Tricker, Arlington, N. J.

CHRYSANTHEMUMS—Continued

CHRYSANTHEMUM, THE. By A. Harrington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 160 pages. Price 50 cents.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
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Bergenfield Nurseries, Bergenfield, N. J.
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Cyclamen, large plants, 3 inch, \$4.00 per 100. Hill Top Greenhouses, Utica, N. Y.

Cyclamens, 3-inch pots, \$10.00 per 100; \$80.00 per 1000. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

East Bridgewater Dahlia Gardens are the largest and most up-to-date in America. Over 850,000 field clumps to offer at right prices. Be sure and send your wants to J. K. Alexander, The Eastern Dahlia King, East Bridgewater, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

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Ferns for Dishes.
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- F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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Fern runners, fine stock Boston, Whitman, Amerpohl, Springfield, \$1.80 per 100, \$15.00 per 1000. Roosevelt runners, very fine, \$6.00 per 100, \$50.00 per 1000. Roosevelt, 4-inch, \$15.00 per 100, 5-inch, \$25.00 per 100. Asparagus Plumosus, 4-inch, handsome stock, \$8.00 per 100. 50,000 sq. ft. of glass at Cleveland, O., devoted exclusively to ferns. I have the best stock to be had anywhere. Prices are low, for cash only. Schneider, Florist, Springfield, O.

FLORISTS' ENCYCLOPEDIA FREE

- M. Rice & Co., Philadelphia, Pa.
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- FLORISTS' LETTERS**
Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
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- Hilfinger Bros., Ft. Edward, N. Y.
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- Syracuse Pottery Co., Syracuse, N. Y.
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FOR EXCHANGE

To exchange for cash or violet clumps (Mary Louise preferred), 'mums' 200 stock plants, Pacific Supreme; 50 Smith's Advance, 5c. Pansy plants, transplanted, \$5.00 per 1,000. Pyrethrum, Kelway's Giant, single, hardy, mixed colors, clumps, 5c. Coleus, fine, mixed, \$5.00 per 1,000. Primula malacoides, Giant Baby, and Kewensis, a fine yellow, 2 in., 1 1/2 c. D. W. Leatherman, Anderson, Ind.

FORGET-ME-NOTS

Forget-me-nots from greenhouse grown seed, sure for Christmas; strong 2 1/4-in. plants, extra early, continuous bloomer, \$2.50 per 100; \$20.00 per 1000. Cash. B. B. Pohlmann, 645 Chapin, Rockford, Ill.

FUNGINE

- Aphine Mfg. Co., Madison, N. J.
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GALAX

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GLADIOLUS

- John Lewis Childs, Flowerfield, N. Y.
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- A. Henderson & Co., Chicago, Ill.
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SURPLUS STOCK of standard varieties at bargain prices. Send for list of splendid novelties. Chamberlain & Gage, Groton, Mass.

Silver Trophy, Sec. 2. White and light shades, 1 1/4 in., \$2.00; 1 in., \$1.75; 3/4 in., \$1.50; 1/2 in., 1.00 per 100. Bulbets, \$1.00 per quart. Clark W. Brown, Ashland, Mass.

GLASS

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- Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

- H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

GREENHOUSE BUILDING MATERIAL

- A. T. Stearns Lumber Co., Neponset, Boston.
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- Frank Van Assche, Jersey City, N. J.
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- Pierson U-Bar Co., Madison Ave., New York.
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GUTTERS

- King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.
- Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

HAIL INSURANCE

- Florists' Hall Asso. of America.
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- Bobbink & Atkins, Rutherford, N. J.
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- Kentucky Tobacco Product Co., Louisville, Ky.
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JAPANESE LILIES

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- R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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- Yokohama Nursery Co., New York, N. Y.

In writing to Advertisers kindly mention Horticulture

LILY OF THE VALLEY PIPS

Lochner & Co., New York, N. Y.

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McHutchison & Co., 17 Murray St., N. Y.
Berlin Valley Pips.
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MARGUERITES

Marguerite plants from 5½-inch pots,
best winter flowering variety; \$6.00 per
dozen plants. Peirce Bros., Waltham, Mass.

MASTICA

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Weeber & Don, New York, N. Y.
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NOVELTIES IN GLADIOLI

SURPLUS STOCK of standard varieties
at bargain prices. Send for list of splendid
novelties. Chamberlain & Gage, Groton,
Mass.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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August Rolker & Sons, 31 Barclay St., N. Y.
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Fursts' Nurseries, Brussels, Belgium.
Send for Catalogue.
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John Waterer & Sons, Ltd., Bagshot, Eng.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

SHRUBBERY.

There are bargains to be had here in
such varieties as Spireas, Altheas, Weigelas
and Philadelphus, and this names only a
few. We have acres of shrubs, well grown
and ready for you. Write for price list.
The Conard & Jones Company, West Grove,
Penna.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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ORCHID PLANTS—Continued

ORCHID GROWERS' MANUAL.
By B. S. Williams, 300 illustrations, 800
pages; descriptions of upwards of 2500
species and varieties of orchidaceous
plants, etc. The most complete work on
Orchids and Orchid Culture ever pub-
lished. Price \$10.00.
Orders filled by HORTICULTURE, 11
Hamilton Place, Boston.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

Peonies. The world's greatest collection,
1200 sorts. Send for list. C. Betscher,
Canal Dover, O.

PIPE HANGERS

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PLANT AND BULB IMPORTS

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PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seale & Sons, Elkhart, Ind.

Plant Trellises and Stakes. P. A. Angier
& Co., Westboro, Mass.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIMULAS

Malachoides, strong 3½ in., ready for
5 in., \$7.00 per 100. Israel Quint, 125 Wal-
nut Ave., Roxbury, Mass.

Primroses, Chinese and Obconica, fine
large plants. 2½ inch. \$1.50 per 100; 3
inch. \$2.50 per 100. Hill Top Greenhouses,
Utica, N. Y.

PRIVET

Franklin Davis Nursery Co., Baltimore, Md.
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California Privet, well grown, 2-year-old
plants, from 12 inches to 3 feet; well fin-
ished plants, well graded and well packed.
Also one and two-year-old Ampelopsis
Velutina. For prices and particulars ad-
dress Charles Black, Hightstown, N. J.

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SPHAGNUM MOSS

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- Sphagnum Moss, large bales. Green Moss in bbls. Laurel Bunches and Broken Laurel. James Day, Milford, N. H.
- Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPIREAS

- Breck-Robinson Nursery Co., Lexington, Mass.
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STOVE PLANTS

- Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

TIP TOP TOBACCO POWDER

- Interstate Tobacco Co., Inc., 1397-1399 Ave. A, New York, N. Y.
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Improved Ventilator Arm.
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- Quaker City Machine Works, Richmond, Ind.
20th Century Arm.
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VINCAS

- Vinca Minor, or grave myrtle, a hardy evergreen trailing plant particularly adapted to covering graves. It is a beautiful dark green, thrives as well in dense shade as in the sun. I have thousands of well rooted outdoor grown plants and rooted runners. \$5.00 per 1000. Samples free by mail. C. M. Webb, Fayetteville, Tenn.

WIRED TOOTHPICKS

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WIREWORK

- Reed & Keller, 122 W. 25th St., N. Y.
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- Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.
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- Poehlmann Bros. Co., Morton Grove, Ill.
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- J. A. Budlong, 37-39 Randolph St.
For page see List of Advertisers.
- Chicago Flower Growers' Association, 176 N. Michigan Ave.
For page see List of Advertisers.
- Chicago Carnation Co., 30 E. Randolph St.
For page see List of Advertisers.
- Hoerber Bros., Chicago, Ill.
For page see List of Advertisers.

Cincinnati, Ohio

- The J. M. McCullough's Sons Co., 316 Walnut St.
For page see List of Advertisers.

Detroit

- Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

Montreal

- Montreal Floral Co., Ltd., Montreal, P. Q.
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New York

- M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.
- A. H. Langjahr, 130 W. 28th St., New York.
- James McManus, 55 W. 28th St., New York.
For page see List of Advertisers.
- W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
For page see List of Advertisers.
- Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.
For page see List of Advertisers.
- Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.
- Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.
- P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.
- W. P. Ford, New York.
For page see List of Advertisers.
- Traendly & Schneck, New York, N. Y.
For page see List of Advertisers.
- Frank Millang, 55-57 West 26th St.
For page see List of Advertisers.
- Badgley, Riedel & Meyer, Inc., New York
For page see List of Advertisers.
- Woodrow & Marketos, 41 West 28th St.
For page see List of Advertisers.
- Henry M. Robinson Co., New York, N. Y.
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WHOLESALE FLORISTS

New York—Continued

- J. K. Allen, New York, N. Y.
For page see List of Advertisers.
- A. L. Young & Co., New York, N. Y.
For page see List of Advertisers.

Philadelphia

- Leo. Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

Rochester

- George B. Hart, 24 Stone St.
For page see List of Advertisers.

New Offers In This Issue**ASPARGUS SPRENGERII.**

- R. M. McKerr, Canandaigua, N. Y.
For page see List of Advertisers.

BULBS.

- Fottler, Fiske, Rawson Co., Boston, Mass.
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CANNA ROOTS.

- R. Vincent, Jr. & Sons Co., White Marsh, Md.
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DAPHNE, CYRTOMIUM, FERNS, ETC.

- R. G. Hanford, Norwalk, Conn.
For page see List of Advertisers.

FLOWER SHOW.

- Ohio Horticultural Society, Cleveland, O.
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GARDENIAS.

- S. S. Pennock-Meehan Co., Philadelphia, Pa.
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LOBELIA CARDINALIS.

- Mt. Desert Nurseries, Bar Harbor, Me.
For page see List of Advertisers.

POPULAR PERENNIALS.

- Palisades Nurseries, Sparkill, N. Y.
For page see List of Advertisers.

RETAIL FLORIST.

- Bloomingdale's, New York, N. Y.
For page see List of Advertisers.

RETAIL FLORIST.

- F. H. Kramer, Washington, D. C.
For page see List of Advertisers.

SPECIAL BULB OFFERS.

- Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

SPECIAL BULB PRICES.

- James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Little Ads Bring Big Returns

Little ads. in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

In writing to Advertisers kindly mention Horticulture

PRESENT KNOWLEDGE OF SWEET PEA DISEASES AND THEIR CONTROL.

A paper by J. J. Taubenhau, Delaware College Agricultural Experiment Station, Newark, Del., read before the American Sweet Pea Society, Boston, July 13, 1912.

(Continued from page 332)

I have already mentioned the spotted, or mottled disease of sweet peas under glass. This is a new disease to this country and it is a very dangerous one. In its attacks it is not restricted to greenhouse conditions alone but it is also a serious disease of sweet peas outdoors. For the sake of convenience we will call this the "mosaic disease." It is readily distinguished by a yellow dotting or mottling of the leaf, presenting in some instances a beautiful mosaic structure, hence its name. Affected leaves seem to linger for a time but they eventually lose all the chlorophyll and soon drop off. A better symptom of this disease is a curling of the leaves at the tips, very much resembling the curling of leaves induced by the green aphids, but in this case the aphids has no association. The disease makes its appearance after the seedlings are from three to four weeks old. Often, the disease is so bad and the curling so pronounced that the plants thus affected cannot make any headway and remain dwarfed. An attempt is made of these curled parts to produce a few flowers, but the latter are borne on very short peduncles as compared with the long peduncles of healthy plants of the same variety. Frequently, however, the affected plants outgrow the disease entirely, and thus a distinct line of demarcation can be made between the previously diseased part and the healthy part of the new growth. At other times infected plants keep on growing, and even flowering, with the disease keeping pace. Attempts to culture and to isolate the organism which causes this mosaic disease have failed. Like the Peach yellows, the mosaic disease of the tobacco and tomatoes, this mosaic disease of the sweet pea, too, can be reproduced by a puncture with a sterile needle from a diseased into a healthy leaf. Yet no organism could be obtained in culture, nor could it be detected with the microscope. Nevertheless, this disease is contagious, as is the Peach yellows. When the disease first made its appearance in our experimental sweet pea field, the diseased areas were immediately located in order to learn something of the spread of the disease. They formed two small areas, one in about the center of the field, the other in the southeast corner. Within ten days another survey was made and the whole field was found to be contaminated. With the exception of the dwarf Cupid varieties, which are seemingly immune, all the rest were found to be affected with the mosaic. When first investigating this disease we thought that, perhaps, this mottling of the leaves was merely a variegated condition. We also thought that perhaps the curling of the tender tips as well as the mosaic effect was due primarily to the presence of aphids, which at the beginning of the season were so plentiful. Experiments were then undertaken to determine definitely these points. Accordingly, sterile pots with sterile soil were planted

with sterilized seeds. Each pot was isolated in a glass chamber and the plants were allowed to grow for three weeks to see if any disease would develop on them. However, the plants remained very free from any diseases. The pots with plants were then divided into four lots; into lot I. were introduced a few stem mothers of aphids from affected mosaic plants in the field. In lot II. were introduced a few stem mother aphids, from apparently healthy plants in the fields. The plants in lot III. were punctured with sterile needles and by pricking a mosaic-affected leaf, and then puncturing with the same needle the healthy leaves. Lot IV. was merely punctured with the sterile needle, and these were designed to serve as checks. In each lot there were two pots with plants in order to duplicate each experiment. After ten days the lots which were inoculated with the aphids from diseased and healthy plants both began to show the symptoms of mosaic. This would therefore appear to show that the mere puncture of aphids would be responsible for the mosaic disease. However, this is not the case, as we will soon see. Moreover, it is easy to suppose, and that on very good grounds, that the aphids taken from seemingly healthy plants in an infected field might themselves have been infected before. But this would be no valid proof. Lot III., which was infected with needle punctures from diseased leaves, began after ten days to show the mosaic disease, while the check punctures remained all healthy to the end of the experiment. This definitely proves that the aphids are not the cause of the trouble but are merely the carriers of the mosaic disease. It seems, therefore, that any steps taken to control the aphids may also serve to control the mosaic. From this, too, it seems that not only the aphids, but also any biting or sucking insect may help to spread the disease.

(To be continued)

CHICAGO NOTES.

Theodore Vogel severed his connection with The Alpha Floral Co.'s retail store on November 2nd.

Fred Lautenschlager will represent Kroeschell Bros. at the St. Paul Flower Show, November 8-12.

Ed. Eisner has closed his retail store at 55th and Halsted streets and the windows bear a "for rent" sign.

Chas. Zapfe, 62nd street and South Park avenue, is preparing to celebrate in a fitting way the completion of his first year in the retail business, November 16th.

The Chicago Flower Growers' Association has again added more growers to its long list of stockholders. A

LOBELIA CARDINALIS

Most Beautiful Flower of New England, Perfectly Hardy; Grand for Bedding; Brilliant Scarlet Flowers, Fine Strain of New Seed. 50c pkt. post paid.

Mt. Desert Nurseries Bar Harbor, Me.

project is under consideration whereby the company hopes to build a range of greenhouses of its own.

Mr. and Mrs. A. E. Spencer of St. Paul, Minn., visited Chicago on their honeymoon trip. Mrs. Spencer, formerly Agnes C. O'Keefe, is proprietor of the Swanson Flower Shop of that city.

Invitations have been received here for the marriage of Alverta May Prall and Arthur John Bauscher of Freeport, Ill., to take place at the home of the bride's parents in that city, November 18th. The groom is a promising young florist.

The new scarlet carnation, The Herald, now offered for the first time by the Chicago Carnation Co., is attracting many visitors to the company's plant at Joliet. Last week visitors from Oregon, California and Mexico were among the number.

Visitors: J. J. Karins, of H. A. Dreer's, Philadelphia; Wm. Hild, Milesville, S. D.; R. A. McPherson, Litchfield, Ill.; A. L. Glaser, Dubuque, Iowa; Mr. and Mrs. A. E. Spencer, St. Paul, Minn.

HELP WANTED

WANTED—Good, all-round man for violets. Single, good worker. E. Bingham, Pine Street, Dedham, Mass.

SEEDSMEN WANTED—Young men for both Vegetable Seed and Flower Seed Departments; mention age, experience, salary and reference. Peter Henderson & Co., 35 and 37 Cortland Street, New York City.

SALESMAN of ability and reliability—young or middle aged man of experience in vegetable seeds, to cover wide range of territory for old established wholesale seed concern. State experience, references and salary with first letter. Address "X," care HORTICULTURE.

SITUATIONS WANTED

POSITION in small private place, gardening, dairy, coachman and general work. John Toosey, General Delivery, Hyde Park, Mass.

POSITION with chance of advancement with any up-to-date retail florist in Boston. Young Protestant, having had four years' experience and willing to start at \$10.00. Am resident of Boston and can furnish best of references as to character and ability. Employed at present. Write to C. W. H., 766 Central Avenue, Dover, N. H.

FOR SALE

FOR SALE—Retail Store in city of 16,000. Bargain. For full particulars address "E," care HORTICULTURE.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick, A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE; several thousand feet of double thick greenhouse glass 10 x 15, second hand, clean and good as new; also one thousand feet 4 in. cast iron pipe and one Hitchings No. S-16 greenhouse boiler, very low price for cash and immediate delivery. F. E. Palmer, Brookline, Mass.

PULVERIZED OR SHREDDED

CATTLE MANURE

Pure, Dry, Safe and Reliable

The best of all manures for Roses. Clean, convenient and economical for top-dressing and mulching. Unequalled for potting soil.



PULVERIZED

SHEEP MANURE

There is a reason why Wizard Brand Sheep Manure is more extensively used by Florists than any other:—Best for Carnations and Chrysanthemums—Best for making bench soil—liquid manuring—and field work. Ask for our Growers' Booklet and know why Wizard Brand leads.

THE PULVERIZED MANURE CO., - - 31 Union Stock Yards, CHICAGO
**LEMON OIL CO.'S
STANDARD
INSECTICIDE**

NO ODOR NO POISON

Guaranteed under the Insecticide Act, 1910. Serial No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, etc. without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

½ Pint - - 25c; Pint - - 40c; Quart - - 75c
½ Gallon, \$1.25; Gallon, \$2.00; 5 Gallon Can, \$9
10 Gallon Can - - \$17.50

Dilute with water 30 to 50 parts

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct

Lemon Oil Company Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package

Imp Soap Spray

Effective one to thirty-two.

Single gallons, \$1.50

**Eastern Chemical Company
BOSTON****READ THIS**

You will need to buy something this fall—stock, supplies, equipment, etc., for store or greenhouse. Look through the Buyers' Directory and List of Advertisers in this paper and you'll probably find what you want listed there. We are proud of the fact that HORTICULTURE is recognized as the best paper of its class in this country in quality of reading matter and also of the fact that it is coming to be acknowledged as the best advertising medium. The best friends of HORTICULTURE are those who buy from HORTICULTURE'S advertisers whenever possible and, in corresponding with the dealers always take the trifling trouble to refer to the paper. We have many such friends, otherwise our advertising columns would soon be deserted. Don't forget to do your part.

CLAYS FERTILIZER

112 lb. bag, \$5.50

56 lb. bag, \$3.00

28 lb. bag, \$1.75

Stumpp & Walter Co., 50 Barclay St., N. Y.**SLUG-SHOT**

USED FROM OCEAN TO OCEAN FOR 29 YEARS.

Sold by Seed Dealers of America.

Saves Currants, Potatoes, Cabbage, Melons, Flowers, Trees and Shrubs from Insects. Put up in popular packages at popular prices. Write for free pamphlet on Bugs and Blights, etc., to B. HAMMOND, Fishkill-on-Hudson, New York.

JACK FROST**BURLAP MATS for COLD FRAMES**

One Mat Covers Two Frames

\$1.20—\$14.00 per Doz.

Wm. Elliott & Sons

42 VESEY ST., NEW YORK

Established 1845.

Green Flies and Black Flies Too are easy to kill with

"TIP-TOP" BRAND**Tobacco Powder**

For fumigating or dusting. \$3.00 per bag, 100 lbs. Write for free samples. Money with order.

Interstate Tobacco Co., Inc.

1397-1399 Ave. A, NEW YORK

Money refunded if not satisfied. Beware of imitations. Territory open for live sellers. Write for prices.

Cocoonat Fibre Soil

Is being used more and more in the greenhouse and for covering lawns from September to frost. Keep it in stock, it is a seller.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST.,

BEVERLY, MASS.



The Recognized Standard Insecticide. Not a cure-all but a specific remedy for all sap sucking insects infesting plant life such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Does not stain the foliage.

75c. per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used one part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN.

Aphine Manufacturing Co., Madison, N. J.

Manufacturers of Agricultural Chemicals
M. C. EBEL, General Manager.

FERTILENE

THE IDEAL PLANT FOOD.

Unequalled for Producing Lusty
CHRYSANTHEMUM BLOOMS

Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. Sample packets of one-half pound mailed for 30c. Sample packets of one pound mailed for 50c.

ELMER D. SMITH & CO., ADRIAN, MICH.**In writing to Advertisers kindly mention Horticulture**

FOR "POT LUCK" TRY US... HEWS STANDARD POT'S

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS
**Pearson Street
LONG ISLAND CITY, N. Y.**
A. H. HEWS & CO., Inc.
**Main Office and Factories
CAMBRIDGE, MASS.**
**GREENHOUSES BUILDING OR CON-
TEMPLATED.**
**Baldwin, N. Y.—M. Matheron, house
40 x 250.**
**W. Gardiner, Me.—Mrs. Flora Horn,
one house.**
**Boyertown, Pa.—Abraham Bros.,
one house.**
**Elmhurst, Cal.—Alex. Massey, one
rose house.**
**Webster City, Iowa—Curtis Floral
Co., one house.**
**Charlroir, Pa.—J. V. Kinder, carna-
tion house 40 x 300.**
**Meadowbrook, Pa.—Meadowbrook
Farm, house 18 x 80.**
**Atlanta, Ga.—J. F. Huss, 450 North
Boulevard, one house.**
**Rice's Landing, Pa.—Walton Floral
Co., show house 30 x 100.**
**Utica, N. Y.—Brant Bros., 1333 Sun-
set avenue, house 40 x 115.**
**Elgin, Ill.—Sherman & Morgan,
three houses, each 27 x 150.**
**Providence, R. I.—Mark Tordoff, 899
Manton avenue, house 16 x 42.**
**Cleveland, Ohio—Park Department,
Gordon Park, range of houses.**
**Danielson, Conn.—A. Bretschneider,
Mechanics street, house 25 x 50.**
**Los Angeles, Cal.—Howard & Smith,
Ninth and Olive streets, house 25 x
70.**
**Barberton, Ohio—O. C. Barber, two
houses, 16 x 323, one 8 x 125, and one
16 x 62.**
**Omaha, Neb.—The municipal green-
house at Hanscom Park is to be en-
tirely rebuilt.**
**Modesto, Cal.—Ekstein Nursery Co.,
two houses, 28 x 75, office and show
room, 25 x 30.**
**Houston, Texas—Houston's Up-to-
Date Flower Store, Main street and
McGowan avenue, two houses, each 25
x 100.**
INCORPORATED.
**Columbia, S. C.—Barnwell Pecan
Orchards Co., capital stock \$75,000.**
**Albany, N. Y.—Albany Cut Flower
Co., 76 Maiden Lane, capital stock
\$25,000. Edward P. Tracey, president;
Patrick Welch, treasurer; Thomas
Tracey, secretary and manager.**
**Amity, Ark.—Amity Nursery Co.,
capital stock \$25,000. R. F. Spurlin,
president and general manager; J. W.
Thompson, vice-president; W. T.
Crabbs, secretary and treasurer.**
IN BANKRUPTCY.
**Rochester, N. Y.—The West Side
Floral Co. has filed a petition in bank-
ruptcy with liabilities of \$1,005.27 and
assets of \$541.23.**

The New London County Horticul-
tural Society had its annual chrysan-
themum show at New London, Conn.,
last week in the Y. M. C. A. Gymna-
sium.


DREER'S
**Florist Specialties,
New Brand, New Style,
Hose "RIVERTON"**
Furnished in lengths up
to 500 ft. without seam or
joint.

The HOSE for the FLORIST
3/4-inch, per ft., 15 c.
Reel of 500 ft., 14 1/2 c.
2 Reels, 1000 ft., 14 c.
1/2-inch, 11 c.
Reels, 500 ft., 12 1/2 c.
Couplings furnished
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

**1000 READY PACKED CRATES
STANDARD FLOWER POTS AND BULB PANS**

 can be shipped at an hour's notice. Price
per crate:

2000 1 1/4 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	450 4 1/2 " " 5.24
1500 2 1/2 " " 5.25	320 5 " " 4.51
1500 2 3/4 " " 6.00	210 5 1/2 " " 3.78
1000 3 " " 5.00	144 6 " " 3.16
800 3 1/2 " " 5.80	120 7 " " 4.20
	60 8 " " 3.00

HILFINGER BROS., Pottery, Fort Edward, N. Y.
August Roiker & Sons, 31 Barclay St., N. Y. City, Agents

OUR SPECIALTY—Long Distance and export trade

**STANDARD FLOWER
POTS**

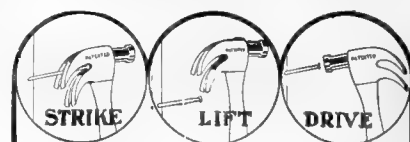
 If your greenhouses are within 500 miles
of the Capitol, write us, we can save
you money.

W. H. ERNEST

28th & M Sts. Washington, D. C.

Syracuse Red Pots

 With new and improved machinery, we can
supply your wants to better advantage
than ever.

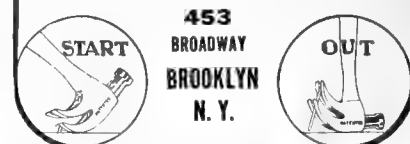
 Special discounts on large orders.
**Syracuse Pottery Co., SYRACUSE
N. Y.**
NEWS NOTES.
**Vancouver, B. C.—The retail busi-
ness of the Royal Nurseries, Ltd., has
been taken over by Ritchie, Brand &
Co.**
**Centerville, Ind.—The Cunningham
Nursery Co., of Seymour, Ind., has
purchased the business, stock and fix-
tures of E. Y. Teas & Son, Plum
street, and are moving it to their
new location.**
**Los Angeles, Cal.—Plans and speci-
fications are out for a 50 x 70-foot
brick building for use as store and
offices for Howard & Smith, nursery-
men, Ninth and Olive streets. A
greenhouse 25 x 70 will be built ad-
joining.**
**Cleveland, Ohio—A city plant nur-
sery for public school gardens and
home gardens of pupils may be estab-
lished here at East 107th street and
Fairchild avenue if plans of Miss L. K.
Miller, public school garden curator,
materialize.**

GREAT for HIGH NAILING

 Pulls the nail out straight and
easy. This is important in hot
houses.

16 or 21 oz. Head.

 Cheapest and handiest hammer
ever made, when you consider
what it will do. Costs three times
more to make—but. At your
dealer's or from us, delivery pre-
paid.

RETAIL \$1.00

DOUBLE CLAW HAMMER CO.


**Dreer's Peerless
Glazing Points**
For Greenhouses
Drive easy and true, because
both bevels are on the same
side. Can't twist and break
the glass in driving. Galvan-
ized and will not rust. No
rights or lefts.
The Peerless Glazing Point is
patented. No others like
it. Order from your dealer
or direct from us.
1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

**FULL
SIZE
No 2**

"MASTICA"
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

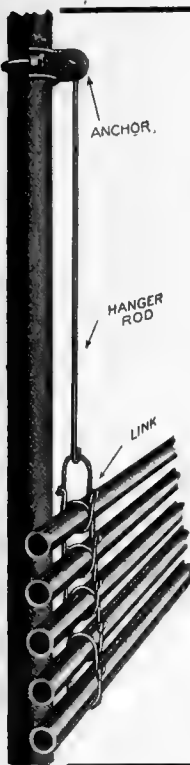
 Mastica is elastic and tenacious, admits of ex-
pansion and contraction. Putty becomes hard
and brittle. Broken glass more easily removed
without breaking of other glass as occurs with
hard putty. Lasts longer than putty. Easy to
apply.

**Greenhouse Materials FURNISHED
AND ERECTED**
IRON or WOOD SASH BARS

In all lengths up to 32 feet.

 Milled to any detail furnished or will
furnish details and cut materials ready for
erection.

Frank Van Assche, Fulton Ave., Rose Ave.
and Dwight Street
JERSEY CITY, N. J.



ANCHOR.
HANGER ROD
LINK

**AN IMPROVED
PIPE
HANGER**

allows for expansion
of individual
pipe as well as the
whole coil.

Write
For Prices


**KING
CONSTRUCTION
CO.**

N. TONAWANDA,
N. Y.

BOSTON, 410 Winthrop Bldg.
NEW YORK, 1181 Broadway.

**KROESCHELL
BOILER**

SEND FOR CATALOGUE



KROESCHELL BROS. CO.

466 W. Erie St., Chicago, Ill.

S. JACOBS & SONS



1359-1385 Flushing Ave.
BROOKLYN, - - - N. Y.

CHARLES H. DODD

Greenhouse Builder, General Greenhouse
Mechanic,
Iron Frame and Wood Bar Houses.
Ideal Greenhouse Boilers.
Materials Furnished or Erected. Heating
and Ventilating Materials.

578 Ocean Ave., JERSEY CITY, N. J.

Pecky Cypress

THE IDEAL BENCH LUMBER

Any width from 4 in. to 12 in. Any length from 6 ft. to 20 ft. One and two inches thick, rough or dressed. Also

HEART CYPRESS POSTS

4 by 5 in. and 5 by 5 in. Car loads or less.
Best Quality. Low price

THE FOLEY MFG. COMPANY

Western Ave. 25th to 26th St., Chicago
NEW YORK, St. James Bldg. PHILADELPHIA, West End Trust Bldg.

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS. CHICAGO, ILL.

GLASS

for GREENHOUSE and HOT BED SASHES. Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.

215-217 Havemeyer St., Brooklyn, N. Y.

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Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Thirty years active service.

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

CYPRESS SASH BARS

32 feet or longer

HOT BED SASH

PECKY CYPRESS BENCH LUMBER


GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.

NEPONSET, BOSTON, MASS.



Evans 20th Century Arm

Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine. Write for free Catalogue to

QUAKER CITY MACHINE CO

Richmond, Ind.

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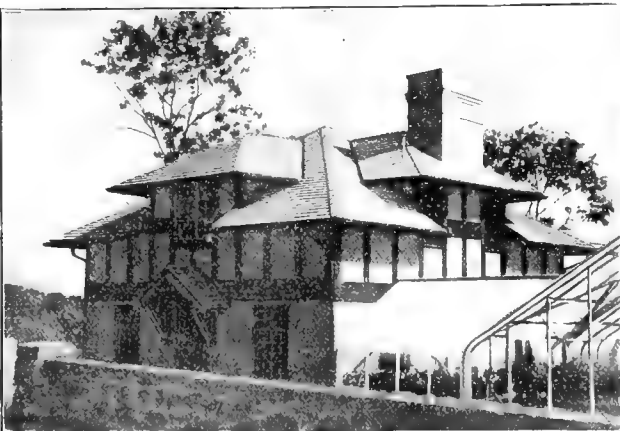
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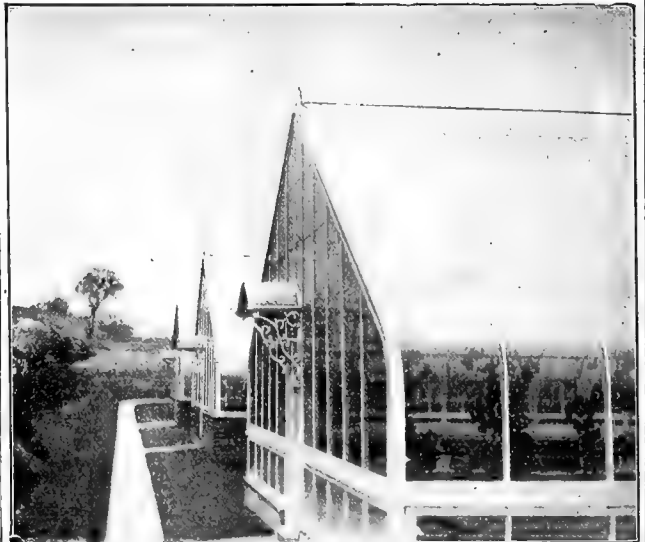
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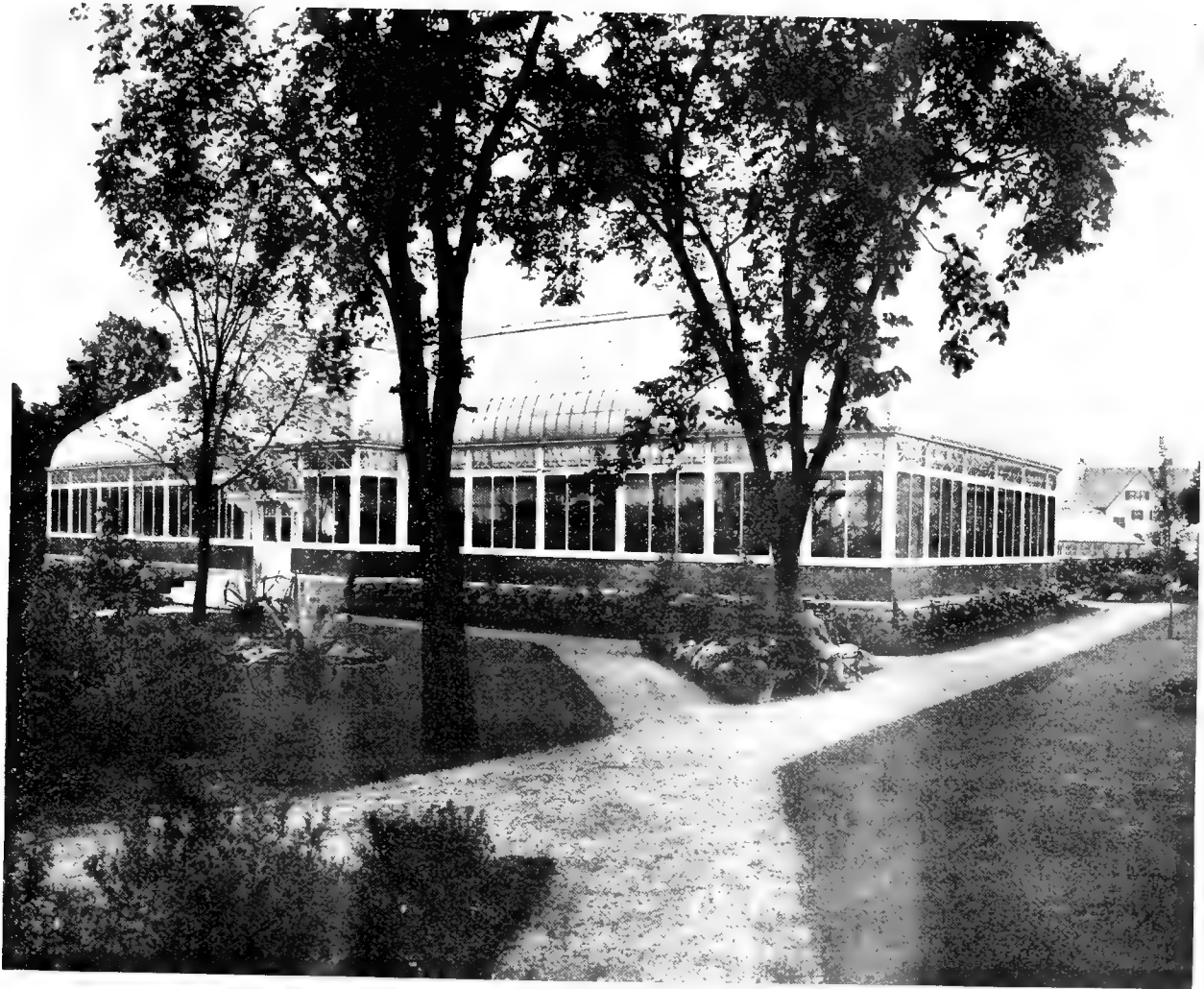
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HORTICULTURE

Vol. XVI.

NOVEMBER 16, 1912

No. 20



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MADISON, N. J.

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Asparagus plumosus

Now is the time to give this valuable green careful daily attention. A house where the temperature can be easily held at about 65 degrees at night, in the coolest weather, and a good, deep and richly manured compost are the first essentials to successful asparagus culture. Keep the house moist as when this is wanting luxuriant growth is impossible. See that the young leading growths are kept nicely wound around the strings. From this out it is always well to let the surface of the soil become fairly dry before giving water. When doing it, however, give them a good soaking. Give the surface a frequent stirring to keep the soil open and sweet. Asparagus plumosus is a greedy feeder, and additional nourishment in some form must be given. From now on there is nothing better than a good rich mulch, put on from time to time. After the new year they can have plenty of liquid manure.

Carnations

From now on but little syringing should be practiced. It is well to remember in watering or syringing carnations to do it as early in the morning as possible so that the plants will not be wet at nightfall. Every plant should be perfectly dried off by about four o'clock in the afternoon. We are now running into shorter days which makes the allowance of fresh air less possible, so take advantage of every good day to give ventilation; this will help to harden the plants before winter sets in. The grower's great difficulty will come now when we have so much of muggy cloud-darkened or rainy spells, often lasting many days. It is then that firing should be run more brisk, which will permit of more ventilation to hold the atmospheric condition of the houses right. Watering can be overdone as well as too little. Watch the places that are over or close to the pipes. Where the plants are well studded with buds you can alternate every other time with weak manure water to help your crop along. Fumigation should be practiced regularly.

Begonia Gloire de Lorraine

To have exceptionally fine stock of Begonia Lorraine for next year you should start propagating now. There is no doubt as to the superiority of early-propagated stock. So now get busy. From now on you will have steady bottom heat that can be depended upon to produce the right conditions for their rooting. When selecting material take well-matured leaves of a spotless green from the most vigorous plants. Trim away the stubby end of the leaf stalk, about half an inch below the leaf and insert in the sand until the base of the leaf is in close contact with the surface and see that they are well firmed in the sand. Keep up a steady bottom heat of not less than 70 degrees with a somewhat close and moderately humid atmosphere, but a muggy, stagnant atmosphere is bound to result in a great loss of cuttings by decaying. Every day they should have fresh air admitted. It is a good plan to have them covered with

sashes while you are ventilating the house to ward off draughts or excessive changes in the temperature. Exclude sunshine and give them frequent sprinklings and they should root in about eight or nine weeks.

Evergreens in Pots for Winter Use

Every year there is more demand for evergreens in pots or tubs. On the approach of winter the florists of all large cities are called upon to have something to break the bareness of the entrances to hotels, stores and dwellings. Now is the proper time to get a good lot of these potted up and they can be set under cover outside for some time to come, which will help to keep the foliage in better color and give the plants time to make some roots before they are sold. Make an assortment of the many varieties of retinosporas, arbor vitæ, junipers, yews, spruces, etc. These should be available in all sizes for pots or tubs. When plants are wanted for inside or where freezing will be very slight, Euonymus japonica and its varieties will make excellent plants to break the monotony of so many conifers. Where you want trailing evergreens, Euonymus radicans and English ivy can be used to good effect.

Freesias for Christmas

To have these plants in flower for Christmas they should be placed where they can have a temperature of about 60 degrees at night. Place them well up to the glass so that they will not "draw" and become weak. Do not overlook watering, as they will require a copious supply from this out. They will appreciate liquid manure now and up to when the flowers show color, about once a week. They should be far enough advanced by this time to demand some support; this should not be overlooked.

Paper White Narcissi

The earliest planted batch of these narcissi that have developed plenty of roots should be given a house where they can have all the light and sun that will be going. For them to do well you should give them a place rather high up on a bench or shelf where they can be near the glass. Maintain a steady temperature of from 50 to 55 degrees at night, with a rise of from 10 to 15 degrees higher with sun heat. See that they have abundant ventilation to make good substance and strong stems, and give attention to the matter of watering, as these bulbs require plenty of water at the roots. They take about seven to eight weeks to be nicely in flower.

Stevias

Keep these plants as cool as possible. Any house that is just clear of frost will do for stevias. You can place a batch in a little more heat as needed, thereby making more of a succession. During November there is always a quantity of flowers in season so make plans to keep them back as far as possible for a little later on when there will be fewer flowers on the market. Make it a point to keep them supplied with plenty of water at the roots.

Mr. Farrell's next notes will be on the following: Care of *Cypripedium insigne*; Chrysanthemum Stock; Cocos Weddelliana; Filling Boxes and Vases for Winter Effect; Herbaceous Border, etc.; Lily of the Valley.

FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Work in the Early Peach House

Where trees are not grown in pots for the early crops a planted-out house will have to be forced. Pot trees have many advantages over their greater sisters for this early work; one noticeable feature is—should a tree not set a crop it is easily moved to less conspicuous quarters—the one planted out has to remain. Where it is contemplated to use a house the first crop preparatory work should be proceeded with soon after the leaves have fallen. If disbudding and a thinning-out of the old wood soon after the crop was gathered was attended to there will be very little pruning to do, yet the trees should be looked over before being cut away from the trellis. To cut all the old ties off is a good initial step as the tree can be tied together in several bundles which keeps them out of the way and protects the buds from possible rubbing during cleaning. A thorough wash down is always desirable in fruit houses; it not only improves the looks of the interior, but is sanitary. This is the time to repaint fruit houses; it is impossible to do them when some plant houses are done during the summer months.

The extent of cleaning and spraying in a peach house depends entirely on the cleanliness of the trees. A spraying with some good insecticide should be given them anyway, as a preventive, also a spraying of some fungicide will greatly benefit the trees from possible attack next season. Any renovation of the border—top dressing and so on—should now be done. Make all the new soil quite firm; should it be wet at the time allow it a few days to dry before attempting to ram it. With the work done up to this stage the tying can be left for a stormy day when other work is stopped.

Pot Vines

Pot vines having been properly ripened and having had some frost on them can be started now. A small house should be given up to them to get the best results. Plunge the pots to the rim in clean oak leaves, which will afford a mild bottom heat up until the vines are started into growth and later on the mulch will greatly benefit the growing vines, preventing the roots from becoming excessively hot and dry. If this can be so arranged that the bench has the heating pipes underneath it, so much to the good; a steady bottom heat is insured. See that there are a quantity of leaves underneath the pot as this will prevent any excessive heat from the pipes reaching the pot and also encouraging the roots to grow away through them. There should be no pests of any kind on the canes. All that is necessary is to bend them around in a circle so that all the sap does not rush up to the top of the cane, causing a few strong breaks there at the expense of the lower ones. Syringe twice daily with chilled water. Keep a night temperature of 40 F. to 45 F. degrees, closing the house early enough to give the canes a mild sweat.

Soil Heaps

All soil heaps not under cover which may be needed through the winter months should now be covered up with leaves and straw manure. Heap the leaves two feet

thick around the sides and on the top, over which a foot of straw manure should be placed to keep them in position. If something can be laid on the top of this to run the water off, the efficiency of the protection will be increased a hundred per cent and good dry soil will always be available. By taking this precaution it is possible to make new borders or top-dress old ones any time during the winter. Otherwise, once the soil gets frozen up, the work will have to wait until spring, and those months are always crowded with work which cannot be done earlier.

Protect Celery and Cabbage

These two valuable winter vegetables will need to be stored away or protected (if not already done). Small quantities, or the earliest of larger numbers, can be put in the cellar. Keep them away from the heater or heating pipes. Others must be protected with leaves and earth. Cabbage will be best stored in a barn where the cellar fails to accommodate them. Late celery will keep best in the soil if amply protected. Whatever method is adopted always bear in mind that they need keeping away from all water yet do not want to be real dry.

Rhubarb

Rhubarb forces easily after a few light frosts. Like asparagus, roots can be lifted and exposed to the elements for a time, which will help them to force easier. I always advocate a hot-bed for early forcing of this class of stuff. They start away easier which means quicker returns. Rhubarb will force in any dark corner or under benches providing there is a night temperature of 55 degrees. Little can be lifted each week if a succession is desired. Give the roots a good supply of water and see that the soil goes in between them at the time they are brought in. Syringe the growth once a day.

Specialize on Something Fresh

Anyone who can take his memory back forty or fifty years will have no difficulty in calling to mind the various collections of general nursery stock both of flowering and decorative plants which at that time were the main features of the various establishments he visited, both private and trade. The list of varieties grown in one and the same place was of quite formidable dimensions. I have said "grown," but in regard to many species they simply existed; they were alive and in fair health; they were not what a grower would call "grown" now, and how the public were satisfied then only shows how easy they were to please. But a new era was dawning and one thing after another was selected from the general mass and really properly "done"; grown in bulk; a house or range of houses devoted to one and the same thing. Every single thing that could be done was done for the plant in hand and splendid results were attained. I will just enumerate a few that responded to the more liberal treatment, as the stock now placed on the market by the growers who specialize amply testify: azaleas, acacias, araucarias, bouvardias,

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Watering

Be careful and not allow your plants to become so dry between waterings, that the soil becomes hard and cracks here and there. This does not do the plants any good and will likely do great harm. Beauties will quickly show the effect of being kept too dry as the growth will become thin and spindly and all leaves will be small. Later trouble will be experienced in making the wood set as it will just grow along and no signs of buds. We always advocate letting the plants become quite dry before watering them again, and then watering very heavy, but this must not be carried to extremes. In watering be careful not to wet the bottom leaves any more than you can help. Also water in the morning, and do not do any watering after noon, or you will be inviting a dose of black spot, and you know what that means.

Killarneys, Radiance and a few others of the free-growing varieties will take just about twice as much water as Beauties will and should be watered accordingly. Many growers make the mistake, where Beauties and Killarneys are grown together. Often the Killarneys have to be watered twice while the Beauties are being watered, only once.

Some growers have a habit of holding the hose a long distance from the surface of the bench, practically syringing the bottom foliage of the plants. This is improper and dangerous as well, as pointed out above. Some will say—"Oh they grow just as well"—but take it from us there is a difference when one gets eight to ten blooms from one Beauty plant and another only three or four. That is the "just as good" way, and we leave it to the growers themselves to decide which pays in the long run.

Yellow Leaves

Do not be worried if your roses appear to be losing a large amount of foliage. If the plants are growing nicely with large, perfect, glossy leaves, you need not worry even if a large number of the bottom leaves turn yellow and fall. It is better thus than to get a dose of spot or something and having to pick them off. Plants that are well cared for and not allowed to become extremely dry while growing, will not lose any leaves, save the old ones that have accomplished their work and are worse than useless, for were they to remain the foliage would become so thick that it would be impossible to

keep it free from spider and spot. With Teas it is the same. If these are carefully tied so that they are not bunched up too much around the stakes and as long as the tops are of a good color, strong and vigorous, do not worry about a few yellow leaves around the bottom.

We find Radiance to be a very good rose to hold its foliage and the Double White Killarney about the poorest in this respect. Often after cutting a heavy crop the plants are almost bare save the two leaves left with the two eyes when cutting. It is surprising, however, how quickly the plants come back to crop, a light syringing once or twice during the morning hours of the day doing a great deal to help them along.

The New Roses

By all means try to see some of the new roses growing and if your bench room will warrant it, try them out for yourself. When one stops and looks back a few years, one can note the great strides that have been taken toward improving and modernizing rose growing of the past. Not so very long ago the first Killarney made its appearance and since then several of its sports—White Killarney, the Double Killarneys, Killarney Queen, Dark Pink Killarney—have practically replaced the original, just as Bride and Bridesmaid replaced their parent the *Mermet*.

While in conversation with one of the prominent rose growers of this country, I inquired as to the amount of bench space devoted to the culture of these two old standbys—the Bride and Bridesmaid—and the reply was, "Four benches and no more of them next year." Yet this place was all Brides and Bridesmaids a few years ago. No doubt these old varieties of roses such as the above and the *Kaiserin Augusta Victoria*, are excellent and when grown properly are hard to beat, but when it comes to producing cut blooms for the market these old varieties are not in it. *Kaiserin* as a rule is a poor keeper and the same may be said of the Bride and Bridesmaid.

Another thing with most of the new roses is that they can be planted over and over again and they seem to get better with age. A bench of five-year-old Killarneys came to my notice the other day. These had been cut down and replanted each season, and yet a bench of young stock could not begin to compete with these old plants when it came to producing flowers.

begonias, boronias, carnations, cattleyas, cyclamen, ferns, gardenias, heaths, lilies, palms, roses, etc., etc.

Not only is there great advance in the quality of the product but the lengthening of the season during which they can be had is greatly increased, thanks in many cases to the retarding process now so easily accessible. But we seem now to have come to a stop. We are continually asked, "What is there that is fresh?"—and there are many who begin to tire of the same thing over and over again. Yet there are vast numbers of well known gems which are only seen here and there and in botanical collections that are only waiting for someone to take and give the same special care now meted out to their more fortunate brethren, when they would quite

as readily respond and would repay the grower who gave it to them.

I will name a few and many others will no doubt suggest themselves to the reader: *Aotus gracillima*, *amaryllis*, *chironias*, *Clerodendron Balfouri*, *Choisya ternata*, *Daphne indica rubra*, *epacris*, *eristemons*, *Fabiana imbricata*, *Hoya bella*, *ixoras*, *leschenaultias*, *Mitraria coccinea*, *pimeleas*, *Rochea falcata*, *statice*; and shall we ever see *Boronia serrulata*, *Leschenaultia biloba*? Oh! the loveliness of them!

G. Houchagro

HORTICULTURE

VOL. XVI

NOVEMBER 16, 1912

NO. 20

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.

11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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Show, of a committee for purposes of information. It was the duty of the gentlemen who were appointed on this committee, all supposed to be fully informed regarding variety, care, cultivation, etc., to be present and prepared to answer questions asked by visitors and to give, at every opportunity, such instructive information as would promote practical horticultural interest among the people. The usefulness of every exhibition as a fountainhead of horticultural education would be greatly enhanced and extended if such a plan should be universally put in operation. Much of the good which a floral exhibition might accomplish in a commercial way is entirely lost and much of the hard work made profitless through neglect of making this self-evident provision for supplying that knowledge of the goods, where they may be procured and how they must be treated, which almost every visitor to such a place is curious and eager to find out.

It was something quite out of the ordinary to find eight decorated dinner tables at the Boston Fall Show, as well as a goodly number of entries in other classes for floral arrangement, indicating that the retail trade are beginning to take some interest in the exhibitions. This will, in addition to its direct suggestion to the visitor, tend to have a still further influence upon the exhibitors in other classes and possibly incite them to a greater care in placing the flowers or plants that constitute their own display. One fault of flower shows, generally, has been a lack in this respect. There is yet much to be learned by the average exhibitor in the art of staging. We are apt to give too much attention to the individual flower and too little to the happy grouping of the whole. In the new forms of single and semi-double chrysanthemums, an unprecedented opening is afforded for the exercise of artistic sense in the blending and contrasting of color tints and shades and the production of pleasing effects through natural airy and graceful placing of the flowers, all of which will go to contribute a charm hitherto lacking in the majority of chrysanthemum exhibitions.

New England nurseries insect-free

The report just issued by the Federal Horticultural Board on the proposed quarantine upon New England commodities exposed to possible infestation from the moth pests, must be very gratifying to the nursery trade of those states as it indicates plainly that the Federal authorities do not propose to interfere with efficient state and individual inspection work and that, in whatever restrictions they consider necessary, the nursery trade is exempted. The hearing before the Board at Washington two weeks ago fully demonstrated that so far as the nursery interests are concerned no menace to anybody exists in the shipment of New England nursery-grown stock to any section but, on the contrary, the extraordinary precautions which the growers in this section have felt compelled to take for years, even for their own protection, have brought about conditions of cleanliness in all respects which probably are not equalled in the nurseries of any other part of the country. This light on the situation in New England ought to operate greatly to the advantage of New England nurserymen and will undoubtedly help to restore the interstate shipping trade which has been suffering more or less on account of the unfounded alarm. When Dr. Howard made the statement that he considered the stock of the Massachusetts nurserymen just as safe as that from Geneva N. Y., for instance, a better endorsement of the care exercised by the New England nurserymen can hardly be imagined.

Well done, St. Paul
Among the various innovations and forward steps adopted at the several flower shows this season to increase interest and efficiency, none will meet with more general commendation than the constituting, at the St. Paul

THREE NEW CHRYSANTHEMUMS.



MARY E. MEYER

The varieties here illustrated are introductions of Elmer D. Smith & Co., who sent us the following descriptions:

Mary E. Meyer.—Japanese of medium size and especially adapted for commercial use. Growth short-jointed, excellent stem and clothed with ample foliage which extends up to the bloom. In perfection Nov. 1st. Best bud Aug.



ELBERON

25th. Height 3 feet. C. S. A. Certificate 93.

Elberon.—An exceptionally large Japanese incurved 8 by 9 inches, of the M. Loiseau-Rousseau color and type, having less contrast between the upper and under surface of petals and presenting a more pleasing shade of pink. Very strong grower, with heavy rigid stem and ready to cut Oct. 15th. Un-



YONKERS

surpassed as an exhibition sort either for collections or vases. C. S. Certificate 95.

Yonkers.—A yellow Japanese nearest to Yellow Miller in color, which it equals in size. Strong sturdy stem with foliage close to the bloom. Adapted for commercial and exhibition use. Best bud Aug. 15th, cut Oct. 25th. C. S. A. Certificate 89.

OUT OF THE GINGER JAR.

Be progressive but not too progressive. Do not forget that most of the things we know today we have inherited through forty million years of our forefathers' mistakes. Let your young imagination soar to new worlds to conquer; but do not forget to hold fast to the old pastures your forebears have prepared for you. We rise on stepping stones of our dead selves to higher things.

When I was seventeen I knew an awful lot more about everything than I know now about anything. It takes a long time to find out what a blooming fool one is really; sad but true. Yet, I suppose, I must have been more crisp and interesting in my crassness at seventeen, than I am now in my ripeness at fifty. So I say be progressive but not too progressive. "Stop, look, and listen." Our dear old enthusiastic Adolph consigned Richmond rose to the nethermost pit once. The years rolled by and what happened? We hear nothing about Liberty any more, which shows that the wise thing is never to "knock" a novelty until you know.

According to P. Welch, one of our liveliest wires, to be a critic is creditable and useful. You can say many commendable and charming things for the uplift. But to be a "knocker" is the unforgivable.

My sermon about the not too progressive, is really a hallelujah. The whole world, Europe, Asia, Africa, America and Australasia is most gloriously progressive today,—makes one thankful to have lived long enough to see such wonderful changes. While

heartily joining in this hurrah let us remember however that there is a happy medium in everything. The old Scottish ditty puts the thought very nicely on the "moderation" subject.:

I can drink and no be drunk,
I can fecht and no be slain,
I can kiss a bonnie lass
And aye be welcome back again.

Never overdo, either in eating, drinking, courting or in progressiveness. All the legislation of the past in America has been repressive and much of it reprehensible. Let us now have a little change for a change. Something *constructive* instead of destructive. If you can't do that then let well enough alone. There's no sense in pouring sand into the works of a fine watch.

GEORGE C. WATSON.

AN ADMIRABLE SET OF PARK CONSERVATORIES.

Our cover illustration shows a view of the enlarged range of houses for Delaware Park, Buffalo, N. Y. The builders, Messrs. Lord & Burnham Company, of New York, send the following notes concerning the structure:

There were four houses and a work-room in the original range. Last year the palm house, 125 ft. long and 50 ft. wide, and the house just back of it, were added, making five houses and a palm house.

In the interior of the palm house there is a fountain at each side, with a grotto effect, which covers the entrance way to the boiler room.

The greenhouses have a very prominent location, just opposite the Albright Art Galleries.

PERSONAL.

David A. Broderick is now with George G. McClunie, florist, 187 Main street, Hartford, Conn.

Wm. Eccles, superintendent for Mr. Mortimer Schiff, Oyster Bay, Long Island, N. Y., sailed for Europe Nov. 16, on the Caronia, for an extended vacation.

William Hooper, greenhouse foreman at Bellefontaine, Lenox, Mass., started on November 12 for a visit to Detroit, Mich., and from there he will go to Winnipeg, Can., to visit his brother.

Alexander Dallas, Waterbury, Ct., a prominent florist, shot off two fingers of his left hand Nov. 4 while hunting. The charge struck his left hand, tearing off the second and third fingers. He was taken to the Waterbury hospital.

A. C. Ruzicka, well-known as HORTICULTURE'S regular correspondent on "Roses Under Glass," has resigned his position at Duke's Park, Somerville, N. J., and will take charge of the florist business of F. J. Ruzicka & Son, Pine Grove Gardens, Sayville, N. Y.

Boston visitors: A. Farenwald, Roslyn, Pa.; J. Otto Thilow, Phila., Pa.; James Robertson, John Urquhart and Mr. Grey, Newport, R. I.; Prof. E. A. White, Amherst, Mass.

Cincinnati visitors: Miss White, Lexington, Ky.; Mrs. Lampert and daughter, Springfield, Ohio; Eric C. Dietz, of the Wm. Buhria Co., New York; G. Reising, of L. Baumann & Co., Chicago, Ill.

THE EXHIBITIONS

TARRYTOWN, (N. Y.) HORTICULTURAL SOCIETY.

The 14th Annual Exhibition of this Society was held in Music Hall, Tarrytown, on Nov. 6, 7, and 8, and was a most gratifying success in quality and extent of exhibits and in public appreciation. A large proportion of the prizes offered were by special donors. Lack of space prevents our giving as much room as we should like to the award list. As condensed below, the first name given is that of the donor, then we give the class, and the names of first and second winners follow in sequence, the name of the gardener exhibiting being given once only.

F. R. Pierson (cup), sweepstakes—Wm. Rockefeller, gard. Geo. Middleton. J. D. Archbold, 12 blooms—Wm. Rockefeller; S. P. Shotter, gard. Allen Jenkins. F. Hermann, 20 blooms—E. Berolzheimer, gard. Wm. Jamieson; Wm. Rockefeller. A. T. Boddington, 6 blooms—George Legg, gard. John Elliott; Chas. Mallory, gard. Wm. Sealey. C. P. Johnson, collection of singles—H. Darlington, gard. P. W. Popp. Vaughan's Seed Store, 3 blooms—W. Rockefeller. A. Johnson, vase 18 blooms arranged—S. Untermeyer, gard. W. H. Waite; Miss Blanche Potter, gard. Geo. Wittinger. Chas. Vanderbilt, largest flower—E. Berolzheimer. Blanche Potter (cup and cash), 6 chrysanthemums, 12 roses, 12 carnations—W. Rockefeller; Fred'k Potter, gard. W. C. Roberts. Mrs. J. B. Trevor, 12 blooms one variety—W. Rockefeller; S. P. Shotter. Mrs. W. C. Osborn, 36 blooms, six varieties—W. Rockefeller; F. Potter. W. Rockefeller (cup and cash), 18 blooms, six varieties—W. Rockefeller; W. B. Thompson, gard. R. L. Cushman. Chas. Mallory (cup), 24 blooms, four varieties—Joseph Eastman, gard. Rob't Angus. Pierson U-Bar Co., 18 blooms, three varieties—W. Rockefeller. E. D. Smith & Co., 6 blooms—E. Berolzheimer; F. Potter. H. H. Cannon, 12 blooms, four varieties—W. Rockefeller; Miss Potter. J. Speyer (cup), display of orchids—E. Berolzheimer; S. Untermeyer. W. A. Read, table decorative plants—S. P. Shotter; J. Eastman. W. F. McCord (cup), Lorraine Begonias—E. Berolzheimer. H. Darlington, vegetables—S. P. Shotter; E. L. Coster, gard. Edw. Kane. Frost & Bartlett Co., apples—W. A. Reed; G. J. Neubrand. Mrs. Stuyvesant Fish, dinner table decoration—S. Untermeyer (cup); R. Delafield, gard. W. Brock; M. L. Sand. Anonymous, 12 White Killarney—S. P. Shotter; F. Potter. A. Lewisohn (cup), 12 Sunburst—F. W. Vanderbilt, gard. H. J. Allen. Mrs. J. A. Stillman, 12 Richmond—F. Potter. Mrs. I. N. Seligman, basket flowers—S. Untermeyer; R. Delafield. F. M. Warburg, center piece—S. P. Shotter; E. Berolzheimer. Lord & Burnham Co. (gold medal), 18 roses, three varieties—F. W. Vanderbilt. R. Langle, 12 Killarney—S. P. Shotter; F. Potter. Mrs. H. F. Osborn, 12 roses other than Beauty—F. W. Vanderbilt. H. Darlington, 12 carnations—W. Rockefeller; H. J. Park, gard. A. L. Marshall. R. C. Clowry, 36 carnations—W. Rockefeller (cup); S. P. Shotter. M. C. Ebel, basket flowers by a lady—Miss Belle Scott.

In the regular classes the winners were as follows: Chrysanthemums in pots—S. Untermeyer, three 1sts. Other plants—Jos. Eastman, one 1st, one 2nd; Miss Blanche Potter, one 1st; A. Lewisohn, gard. John Canning, one 1st; W. Kastberg, two 1sts; W. P. Thompson, one 1st; E. Berolzheimer, one 1st; Thos. Trevillian, Claude Wilson, W. A. Road, Hugh Hill, gard. R. Grieve, each one 2nd. Cut Chrysanthemums—W. Rockefeller, four 1sts; W. B. Thompson, one 2nd; F. Potter, two 2nds; W. R. Harris, gard. H. M. Blanche, one 2nd. Violets—Miss Potter, R. Langle, D. E. Oppenheimer and S. Untermeyer. Roses—F. R. Pierson Co., 1st on 25; F. W. Vanderbilt, S. P. Shotter, F. Potter, 1sts on 12. Carnations—Scott Bros., 1st on 25; H. J. Park, F. Potter and Wm. Rockefeller winning 1sts on 12s. W. E. Marshall & Co. prize for vegetables—S. P. Shotter, 1st; Mrs. Stuyvesant Fish, 2nd. Peter Henderson & Co. for vegetables—1st to H. E. Rogers, gard. C. L. Fisher, and 2nd to

W. L. Sand, gard. T. A. Lee, finishes the schedule.

Certificates of merit were awarded as follows: E. Berolzheimer for dinner table decoration; C. H. Totty for rose Mrs. Geo. Sawyer; A. N. Pierson for rose Milady; W. Rockefeller for carnation Rockwood Hall. Cultural certificate to W. R. Harris for plumed cockscombs. Honorable mention to F. R. Pierson Co. for exhibits of ferns, roses and chrysanthemums.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

The second annual fall show of this society was held in Germania Hall, New Rochelle, N. Y., Nov. 7, 8 and 9, and members may well be proud of its great success. The hall, one of the largest in the country, was well filled up, the chrysanthemums, of course, being in the majority; quality and quantity could be seen in all the different classes, causing the visitors to wonder at those marvels of nature, products of the skill of the best gardeners in the country. James Stuart's group of foliage and flowering plants was simply splendid, well deserving its blue ribbon; orchids, staged by John F. Burns, won first honors; a table of orchids, staged by the Geo. E. Baldwin Co., Mamaroneck, was awarded a certificate of merit. Northport, J. D. Cockcroft's new carnation, Mrs. George Sawyer, Chas. Totty's new rose, and Milady, A. N. Pierson's new rose, all received a certificate of merit. Scott Bros. and Traendly & Schenck also won first prizes with 50 blooms each of their sterling carnation novelties. A. S. Peterson was awarded a certificate of merit for his splendid display of evergreens. Special mention was awarded to Thos. Meehan & Son for display of pompon chrysanthemums, also to S. Pendorf for display of palms. Honorable mention to C. H. Totty for new single chrysanthemums, P. W. Popp for splendid vase of Dahlia Geisha. Other winners were:

W. J. Leahy, one 1st and one 2d; E. Mackenzie, seven 1sts, four 2ds; James Aitchison, five 1sts, eight 2ds; Thos. Aitchison silver cup, bronze medal, seven 1sts, nine 2ds; A. Bieschke, gold medal, two 3ds; James Stuart, eight 1sts, two 2ds; A. Paterson, seven 1sts, two 2ds; T. F. Burns, silver medal, bronze medal, four 1sts, five 2ds; G. C. Allan, one 1st, one 2d; W. Maginnis, one 2d; A. L. Marshall, five 1sts, two 2ds; J. B. Roy, one 2d; Th. Ryan, one 1st, three 2ds; N. Stentiford, one 2d; James Foster, two 1sts, two 2ds; P. W. Popp, three 1sts, one 2d and bronze medal; Th. Bell, one 1st, two 2ds; Wm. Smith, one 1st; R. Allen, two 1sts; Wm. Cohen, one 1st; D. S. Miller, two silver cups, gold and silver medals, two 1sts, one 2d; Oscar E. Addor, one 1st; A. E. Townsend, two 1sts, three 2ds; A. Wynne, two 1sts, two 2ds; A. Pederson, one 1st, one 2d; A. Geddes, three 1sts, three 2ds; M. Glendon, one 2d; A. Allins, two 1sts, one 2d; Henry Gaut, one 2d; W. S. Hitchcock, silver medal, one 1st, one 3d; Paul Dwenger, one 2d; Mrs. Pitt, silver cup, two 1sts; Miss Rixen, one 3d; Mrs. L. Richard, one 2d.

The special feature of the show was the table decorations by gardeners on Nov. 8th, Th. Aitchison winning first with a "dream"—the only way you can describe his simple but splendid display. Henry Gaut was a good second. On Nov. 9 the ladies' amateur table decorations, Mrs. Pitt winning with a most beautifully arranged center of colored leaves and berries; Mrs. Richardson second with berberry; Miss Rixen with roses.

THE ST. PAUL SHOW.

This widely advertised event opened on Friday night, Nov. 8th in a most brilliant manner. The opening exercises included speeches by Mayor Keller and Governor Eberhart both of whom spoke proudly of the exhibition and its good influence. The affair was well patronized by all classes of society, the attendance on the opening day being about 8000. Much enthusiasm was manifested in the drawing of a name for a new chrysanthemum submitted for this purpose by Elmer D. Smith. A procession of this season's debutantes was formed. A large basket filled with chrysanthemums was placed on a pedestal in the center of the improvised stage. Walking up to the flowers two by two the debutantes each picked up one of the ribbons to which the flowers were attached and drew one. Miss Lucille Quinlan drew the one to which the card was affixed and the flower was named after her. The young ladies remained clustered around the flowers as Miss Quinlan, after the established custom baptized it with a bottle of wine. The orchestra struck the opening chords of "America," the audience rose, a beautiful bouquet of the Lucille Quinlan chrysanthemum was placed on the pedestal where the others had stood, and the girls, two by two, left the scene of the ceremony.

Saturday was "Rose Day," and the evening was especially devoted to the Elks and traveling men and every lady who attended was given a chrysanthemum. Monday was "Carnation Day." In the evening J. K. M. L. Farquhar, of Boston gave a lecture with stereopticon views, on the gardens of Japan and there was a grand chorus of 150 voices by the United German Singing Societies of St. Paul. Tuesday had table decorations as a special feature and Mr. Farquhar lectured again in the evening, on the gardens of Italy, the United Scandinavian Singing Societies contributing the vocal music.

The Sweepstake cup offered by the *Pioneer Press and Despatch*, for the most meritorious exhibit was won by Holm & Olson with a magnificent group of decorative plants, orchids, etc. The second prize, the A. H. Stem cup went to the Merriam Park Floral company. The Minneapolis Park Board was given special honors for a group of Celosia Pride of Castle Gould. For 12 roses, not yet in commerce—C. H. Totty's, "Mrs. George Sawyer," 87 points; A. N. Pierson's "Milady," 85 points; both received certificate of merit.

Holm & Olson won first in many classes, including Liliun auratum, L. speciosum, basket of roses, window box, cyclamen, Lorraine begonias, specimen blooming plant, orchids, plant basket, twelve classes of chrysanthemum plants and three classes chrysanthemum blooms, 150 sq. ft. of decorative plants, specimen kentia, phoenix, palm any other variety, pandanus, 100 sq. ft. of ferns, 50 ft. ferns, specimen ferns, araucarias, and group of bay trees. Poeslmann Bros. Co. won first on 100 Beauties, 100 Richmonds, 100 yellow roses, 100 White Killarney, 100 any other variety, Lily of the valley, 35 sq. ft. blooming and foliage plants, pompon chrysanthemums. Holton

& Hunkel won first on 100 Killarney. In the classes for 50 roses the leaders were St. Paul Floral Co., N. C. Hansen, Clinton Falls Nursery Co., Merriam Park Floral Co. and A. N. Kinsman. St. Paul Floral Co. were first also for lilies and anthuriums; Clinton Falls Nursery Co. for sweet peas; Merriam Park Floral Co. for fern basket, 100 sq. ft. of chrysanthemum plants and 75 sq. ft. blooming and foliage plants. L. L. May first for 50 sq. ft. decorative plants and flowers for bridal party; Loeffler and Riverside Greenhouses for violets; L. S. Daldson for crocuses, primroses; Warrendale Floral Co. for anemone chrysanthemums, and single do.; C. C. Pollworth, three firsts for chrysanthemum blooms; L. W. Hill two firsts for chrysanthemum plants and one for blooms, also meritorious plant not otherwise provided for. Elmer D. Smith & Co. won the sweepstakes for best six chrysanthemum blooms entered in four lots.

MASSACHUSETTS HORTICULTURAL SOCIETY.

To our general notes of the opening day of this exhibition, published last week, we would add the following: In addition to the plant groups there enumerated were decorative plant groups from Mrs. J. L. Gardner, gard. W. Thatcher, Wm. Whitman, gard. Martin Sullivan, Mrs. F. Ayer,

square feet, commercial growers excluded: Mrs. J. L. Gardner.

Table of orchids, both plants and flowers—1st, Wheeler & Co.; 2nd, Edward MacMulkin.

Chrysanthemums—Group 300 square feet: Walter Hunnewell. Four specimen plants; Thomas E. Proctor. Two specimen plants; Thomas E. Proctor. One specimen; Thomas E. Proctor. Twenty-five commercial specimens, in not over eight inch pots; W. H. Elliott. Twelve single-flowering; W. H. Elliott. Six grown to six stems with one bloom to each stem; Mrs. Lester Leland.

Kentias—1st, Mrs. Frederick Ayer; 2nd, William Whitman; third, W. W. Edgar Co.

Arecas—1st, Duncan Finlayson; 2nd, A. F. Estabrook; 3rd, Mrs. Frederick Ayer.

Begonias—Gloire de Lorraine: 1st, J. S. Bailey; 2nd, E. A. Clark. Glory of Cincinnati: E. A. Clark.

Chrysanthemums—Twenty-five blooms of twenty-five varieties: Harry E. Converse.

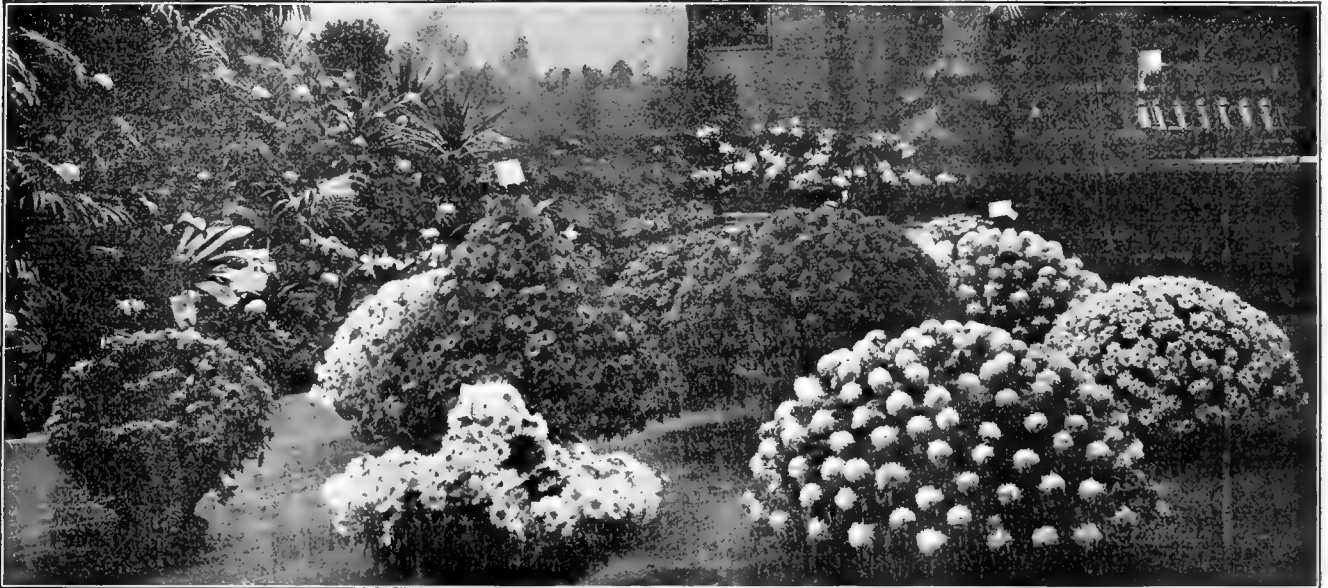
Henry A. Gane Memorial Fund for vase of Mrs. Jerome Jones or the Yellow Mrs. Jerome Jones: 1st, James Nicol; 2nd, William S. Russell.

Twelve blooms, Japanese: Harry E. Converse. Twelve, Japanese Incurred: Harry E. Converse. Twelve Reflexed: Mrs. Lester Leland. Twelve sprays or branches of Pompon: 1st, E. K. Butler; 2nd, Edgar Brothers; 3rd, Edgar Brothers. Vase of blooms on long stems, pink: 1st, James Nicol; 2nd, W. W. Edgar Co.; 3rd, E. A. Clark. Vase of ten blooms, red: 1st, Edgar Brothers; 2nd, Edgar Brothers;

inclement weather during the week had a tendency to check the attendance though a quite satisfactory turnout was had.

A rustic flower booth was under the management of W. H. Eiss. Wm. Legg, had not only a fine display of chrysanthemums, etc., but a fine collection of plants. The Erie Floral Co. showed choice white and pink Killarney, also Richmond, Sunburst and Maryland. A vase of Mrs. Shawyer roses came from Chas. H. Totty. Chas. Guenther made a fine display of Killarney, Double Killarney, Kaiserin, Maryland, together with chrysanthemums, and they were excellent. The young but not inexperienced florist and decorator, Teddy, who is popular around the east side, had a beautiful display. His exhibit of a bride was startling and realistic, and his space was well filled with choice bloom.

Outside the sunken garden to the right J. J. Albright's exhibit, gard. Chas. Sandford, was an inimitable display of the autumnal wealth of his houses, including orchids of rarest species and beautiful specimen chrysanthemums. Humbolt, South Park



SPECIMEN CHRYSANTHEMUMS AT BOSTON SHOW

gard. Geo Page, chrysanthemums from Walter Hunnewell, gard. T. D. Hatfield, and from W. H. Elliott, A. N. Pierson and others, and a pyramid of 5000 violets from Mr. Sim. The rest of the story is contained in the list of awards.

Awards.

Silver medal to Thomas E. Proctor for the best chrysanthemum plant on exhibition; gold medal to Waban Rose Conservatories for the best new rose, "Mrs. Charles Russell," and a silver medal to Wheeler & Co. for *Cattleya labiata*, "Mrs. H. A. Wheeler," while the silver medal of the Society of American Florists went to George Melvin for his *Solanum capsicastrum* Melvini; a bronze medal was awarded to James Marlborough, gardener of the Proctor estate, for his artistic basket of chrysanthemums.

Certificate of Merit: Patten & Co. for crimson carnation, Princess Dagmar; C. S. Sargent for *Vitis vinifera*; A. N. Pierson for rose, Milady.

Cultural Certificate: William Downs for begonia, Mrs. Heil.

Honorable Mention: Leonard Mudgeley for carnation, Eureka; Duncan Finlayson for *Cymbidium erythrostylum*.

Foliage and Flowering Plants—Group 300 square feet: 1st, W. W. Edgar Co.; 2nd, Edward MacMulkin. Best group 150

3rd, E. A. Clark. Vase of ten blooms, white: 1st, James Nicol; 2nd, E. A. Clark; 3rd, W. W. Edgar Co. Vase of ten blooms, yellow: 1st, William S. Russell; 2nd, W. W. Edgar Co.; 3rd, E. A. Clark. Vase of ten blooms, any other color: 1st, W. W. Edgar Co.; 2nd, E. A. Clark. Twelve vases singles, not disbudded: E. D. Jordan. Decoration of chrysanthemums for table of ten covers: 1st, Edward MacMulkin; 2nd, H. R. Comley; 3rd, E. H. Houghton. Vase of seventy-five blooms: 1st, W. W. Edgar Co.; 2nd, W. W. Edgar Co.; 3rd, W. W. Edgar Co. Basket of chrysanthemums: 1st, Boston Cut Flower Co.; 2nd, The Rosary; 3rd, Edward MacMulkin. Collection of native and foreign fruit arranged for effect: Edward MacMulkin. Collection of apples arranged for decorative effect: 1st, E. M. Bruce; 2nd, George V. Fletcher; 3rd, L. F. Priest.

BUFFALO FLORISTS' CLUB.

The Annual Flower Show of the Buffalo Florists' Club ended on Saturday evening last. The interior of Elmwood Music Hall was turned into an Italian garden. This was all designed by Geo. McClure & Son, landscape artists. A sunken garden extended through the center of the hall with a fountain centrally located and hedged in by silent cypress and shrubs. The

and Delaware Park helped a great deal to fill the massive hall, and adding to the effect.

S. A. Anderson had a large and artistic exhibit advantageously placed. Along the right and side to the extreme end of the hall was a deep bank of Betty Anderson Gloire de Lorraine terminating in a winding electric-lighted grotto. A beautiful crane stood ankle deep in moss, beneath the translucent greenery of a huge cybotium fern.

Joe Streit showed a choice variety of chrysanthemums, and one in particular being the newly-named "Eileen." A set table was ribboned off between four white posts trimmed with southern smilax with brass boxes filled with Whitmanii fern. The corsage bouquets were of orchids and Ward roses. The center piece was a gilt basket tied with Ward-tinted ribbon and filled with oncidiums, Hillingdon roses and golden pompons. A Japanese garden in miniature created much favorable comment. The Scott Co. had a very fine exhibit of decorative plants sur-

rounded by large vases of chrysanthemums. Stroh's Quality Shop contributed beautiful beds of plants and tables in which baskets of roses were artistically arranged, also a dinner table arranged with yellow Baby Pompons, Sunburst roses and stavia. The corsage bouquets were of Ward roses. L. H. Neubeck exhibited a splendid variety of tropical plants and chrysanthemums. Frank's greenhouses had a similar effect, using lilies, White Killarney and Timothy Eaton chrysanthemums.

A fine collection of specimen plants came from George Urban, Jr. Benson Stafford also made a grand showing of the latest things in corsage work and basket effect, beautiful beyond words. A fine display of baskets, pottery and jardinières were original and varied. A long table center in Japanese style showed deftness of design and workmanship.

To the left of the stage Palmer's floral tribute was arranged beneath an ivory white pergola alive with climbing ivy. Chrysanthemums were used with striking effect. A breakfast table, fully set, with center piece of Baby Pompons and fruit was very attractive and in the floral basket exhibit the proverbial expression of "a thing of beauty is a joy forever" has unquestionably been realized. E. C. B.

RHODE ISLAND HORTICULTURAL SOCIETY.

The annual autumn show of the Rhode Island Horticultural Society, held in Providence, R. I., Nov. 8-9, was a complete success. The quantity of exhibits was larger than in many years, and with the limited space at their disposal, the show committee found it difficult to accommodate many exhibitors. Cornelius Hartstra, gard. for the Rhode Island Hospital, was one of the most conspicuous exhibitors, making a clean sweep with his chrysanthemums, more than 100 varieties. John A. Macrae also displayed some fine chrysanthemums. William Appleton staged palms, ferns and crotons and Edward L. Nock of Edgewood had a fine display of orchids and foliage plants. A fine showing of bay trees was made by the Norwood Floral Company. Two mantels with smart decorations were shown by Eugene Appleton and T. J. Johnston. In the cut flower section there were also elegant displays. The exhibition was arranged by Eugene Appleton in his customary pleasing manner.

The show committee included Eugene A. Appleton, R. M. Bowen, E. K. Thomas, A. C. Miller, Thomas Hope, Providence; Joshua Vose, Pontiac; Harry V. Mayo, East Providence; Miss Addie F. Holland, Auburn.

Following is a condensed list of the awards in the professional and commercial classes:

Burke & Burns, 1st in all the rose classes; John A. Macrae, 1st in four, John Mar shall 1st in one, carnation classes; Wm Hoffman 1st in one, John A. Macrae 1st in five, F. Macrae & Sons 1st in four, John Marshall 1st in three, R. I. Hospital 1st in two, chrysanthemum classes; A. Holscher, 1st on violets; Wm. Jurgens, 1st on lily of the valley; T. J. Johnston & Co., 1st for basket of chrysanthemums, mantel decoration and bride's bouquet, Wm. Appleton, 2nd on same classes; Wm. Appleton 1st, T. J. Johnston & Co. 2nd, on group of foliage plants. The Mrs. B. A. Holbrook prize for three vases long stemmed chrysanthemums was won by John A. Macrae.

TUXEDO HORTICULTURAL SOCIETY.

Our report of the Fall Show of the Tuxedo (N. Y.) Horticultural Society, was unavoidably condensed as, indeed, have been the reports of all shows coming within the congested period of shows everywhere at almost one and the same time. We take pleasure in appending the names of the prize winners at Tuxedo who contributed so much to make that event an unprecedented affair from a cultural standpoint.

Pres. Tansey special for largest chrysanthemum—A. Biesenne, gard. for Wm. Ziegler. Cups for table decoration, August Kamman; 2nd, to Jos. Beevar; 3rd, W. Brock. Center piece, Geo. Thompson, gard. for Wm. Dinsmore; 2nd, D. S. Miller; 3rd, J. Beevar. Center piece (assistants), D. MacGregor; Edward Smart. Regular classes: Plants, 10-in. pots group, F. Tilford, gard. J. Tansey; 6-in. pots, Geo. G. Mason, gard. D. S. Miller; E. Richards, gard. J. Beevar; 3rd, G. F. Baker, gard. J. MacMahan. Fern specimen, R. Dellafield, gard. W. Brock; 2d, F. Tilford; 3rd, Mrs. C. M. Bell, gard. D. McIntosh. Three ferns, Tilford, 1st; Bell, 2nd; Baker, 3rd. Ornamental foliage, Bell, Tilford, Baker. Lorraine Begonias, Geo. G. Mason, Mrs. Murray Mitchell, gard. T. Wilson, R. Dellafield. Cosmos, Tilford, Mason. On chrysanthemum plants, Richard Mortimer, gard. C. D. Schaeffer won six 1sts. E. Richards one 1st, F. Tilford one 1st. For best 18 blooms, 18 varieties, Frank Tilford was 1st, also for 25 arranged for effect and he won five 1sts in other classes. Other winners in the cut bloom classes were Eben Richards, Geo. G. Mason, A. Seton, R. Mortimer, R. Dellafield, Mrs. Carhart, G. F. Baker and H. Vogel. First prizes on roses were captured by R. Dellafield, G. G. Mason, F. Tilford, Mrs. M. Mitchell, gard. T. Wilson, and Mrs. C. M. Bell. First on carnations, Tilford, Dellafield, Mrs. Carhart, Mrs. Bell, Mrs. M. Mitchell and G. G. Mason. In the fruit and vegetable classes all the above names appear as winners, also Mrs. Spencer, gard. E. Barth, and Dr. Douglas. Mrs. Carhart's special prize of \$25 for 12 chrysanthemum blooms was won by F. Tilford, who also won the MacMahan prize for rose disseminated in 1912, with Sunburst.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

Awards of Judging Committee, November 5 (Chrysanthemum Night):

A. R. Peacock's exhibit of Rose Pockett is especially good in foliage, stem and bloom; certificate of merit.

W. A. Morten's stand of pot-grown chrysanthemums; first class certificate. Dixmont Hospital, cultural certificate.

The exhibit from the Bureau of Parks is perhaps the finest we have seen at any of our meetings. The Mrs. Gilbert Drabble from Schenley Park is the best white ever shown in Pittsburgh; also Winifred and Mrs. Wm. Mease are especially good. From the Phipps Conservatories on the North Side splendid blooms of Wm. Turner are shown. The single chrysanthemums are elegant and graceful; in fact, the exhibit is the best we have ever seen here; first class certificate.

Fred Wissenbach has no greenhouse, and his group of pot-grown plants are a great credit to his cultural skill; cultural certificate.

Paul Randolph's vase of commercial varieties is good, and considering the proximity of railway and industrial plants to the greenhouse, we award a cultural certificate.

Elmer D. Smith, Adrian, Mich., has staged the best commercial varieties among which are Naomah, Smith's Sensation, Hirondelle and Ueberon.

As a new exhibition variety Yonkers promises well, and pompon Fairy Queen is exceptionally good; cultural certificate.

C. H. Totty, Madison, N. J., sent several new singles; also his new pink rose "without a fault," Mrs. George Shawyer; first class certificate.

The commercial varieties shown by the Pittsburgh Cut Flower Co. are all standard varieties and especially well-grown; cultural certificate.

Robert Lillie, Jas. Wiseman, C. H. Sample, Neil McCallum, Committee.

SPECIAL AWARDS AT ANNUAL EXHIBITION OF THE PENNSYLVANIA HORTICULTURAL SOCIETY.

Gold medal for orchids and cybotium ferns, to Joseph Heacock Co.; certificate of merit to Thomas Meehan & Sons for hardy chrysanthemums and evergreens; certificate of merit to W. Atlee Burpee & Co. for collection of hardy chrysanthemums; special prize to John Wanamaker for single chrysanthemum plants; certificate of merit to Robert Craig for Ficus pandurata; honorable mention for Antirrhinum rosea, by Frank Birnbrauer; certificate of merit for single pompon chrysanthemums by Charles H. Totty; honorable mention for hardy chrysanthemums by Thomas Meehan & Sons; honorable mention for hardy chrysanthemums by H. F. Michell Co.; certificate of merit to Henry A. Dreer, Inc. for Adiantum Farleyense gloriosa, Ruhm von Mordrecht, for Cocos Weddelliana and eunomous, and for collection of foliage plants, and silver medal for display of cybotium and araucarias; special mention for display of variegated pineapple plants, exhibited by Henry A. Dreer, Inc.; special mention for new chrysanthemum pompon by Thomas P. Hunter; special mention for trade display by H. F. Michell Co.; silver medal for display of paintings of Meehan's Mallow Marvels, by Thomas Meehan & Sons; silver medal for hardy chrysanthemums by Stafford Flower Farm; certificate of merit for hardy chrysanthemums by H. F. Michell Co.; certificate of merit for rose Mrs. George Shawyer, by Charles H. Totty; certificate of merit for rose Milady, by A. N. Pierson; certificate of merit for rose Janet, by Robert Scott & Son; certificate of merit for rose Mrs. Forde, by Robt. Scott & Son; silver medal for rose Irish Fire Flame, by Robert Scott & Son; special mention for rose Killarney, by Joseph Heacock Co.; certificate of merit for display of evergreens, by William H. Moon Co.

Notes.

The Rhode Island Horticultural Society held an exhibition of chrysanthemums, carnations, violets and fruit in Elysium Hall, Providence, on Nov. 8 and 9.

In the list of awards at the exhibition of the Horticultural Society of New York, a silver medal was given to M. J. Pope for *Odontoglossum grande*, not *O. grandiflora* as given in our report last week.

Late arrivals at the Chrysanthemum Show, Berkeley Lyceum Building, N. Y., were two plants of the new *Solanum capsicastrum* Melvini—introduced by George Melvin of South Framingham. The plants were well covered with berries of deep orange scarlet and were very favorably noticed.

The Montreal Gardeners' and Florists' Club had an exhibition on November 4th at the Royal Guardians' Building. Chrysanthemums were in fine array. T. Arnold, gard. for Mrs. C. M. Hays, L. Arnold, gard. for J. Sutherland, J. A. Travis, gard. for A. H. Sims, J. W. Turner, gard. for E. B. Greenshields, Hall & Robinson, McKenna & Sons, J. Eddy & Son were the principal prize winners.

NEWS NOTES.

Mitchell, So. Dak.—The general management of the Newburys (Inc.) nursery business has been taken over by W. T. March, formerly of McCook, Nebraska.

Waynesboro, Pa.—The Blue Mountain View greenhouses, Henry Eicholz, proprietor, Ringold road, were damaged by fire recently to the extent of \$5000; no insurance.

CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

On Monday evening, Nov. 11th, occurred the celebration of the silver jubilee of the Gardeners' and Florists' Club of Boston, with a banquet, music, speeches and a dance, at Horticultural Hall. The weather was glorious, the decorations lavish, the singers and musicians accomplished, the banquet sumptuous, the officials assiduous and the speeches were full of life and spirit. There must have been close to 400 present, all told, of whom fully one-third were ladies. An atmosphere of jubilation pervaded the assembly and the affair was one of pleasure unalloyed from start to finish. A large

Massachusetts" which was responded to by Alex. McGregor of the Governor's Council, who presented the greetings of Governor Foss and made a most patriotic, eloquent and flowery speech, full of imagery and poetic sentiment. Wm. J. Stewart was then introduced as the first president of the club and club historian. Mr. Stewart recounted briefly the motives and incidents leading up to the formation of the club, 25 years ago last December at his flower establishment in Bromfield street, its rapid growth to a position of influence in the horticulture of the entire country, the fraternal and social advantages it had fostered and its cordial relationship with other similar bodies elsewhere, expressing the hope that the prosperity now enjoyed might be continued and enhanced.

anything laid up for a rainy day it is because of the rose. A communication from Philip Breitmeyer, president of the American Carnation Society, having been received pleading engagements at home and regrets at inability to attend, Peter Fisher responded for his pet society instead. Mr. Fisher spoke of "Phil" as a man who carries sunshine wherever he goes, "whom to know is to love." He congratulated the rose men on their progress but thought that carnation was destined to continue the flower of the people. He paid a high compliment to Mr. Patten's new carnation, Princess Dagmar, which he admitted made it necessary that he should look out for his own laurels. Then President Parker responded briefly for the Massachusetts Horticultural Society and was followed



SILVER JUBILEE, GARDENERS' AND FLORISTS' CLUB OF BOSTON

part of the plant exhibits from the show which closed the preceding evening had been left to do duty as decorations on this occasion and they formed a rare background all about the big exhibition hall where the tables were spread. Floral adornments included such prime novelties as Montgomery's rose, Mrs. Charles Russell, and Patten's crimson carnation, Princess Dagmar. Wm. Simi donated a huge bunch of violets for each of the ladies accompanying invited guests. The lecture hall was reserved for the dancing, which began at 10 o'clock on the conclusion of the speeches. Vice-President W. J. Kennedy occupied the chair and, after a brief word of welcome and congratulation introduced Walter Ballantine of the Boston City Council as toastmaster. The first toast was "The Commonwealth of

J. Otto Thilow, president of the Florists' Club of Philadelphia was then called upon to speak for the Florists' Clubs of America. Mr. Thilow paid a fine tribute to the work and influence of the florists' clubs, and the fraternal spirit which these organizations have installed. His text was the inspiration and independence and stimulating atmosphere which has resulted from the principle of co-operation applied to the florist business. It was a well-prepared and thoughtful address and we hope to present it more fully in a later issue after the flower shows have ceased their demand upon our space. A. Farenwald next responded for the American Rose Society. Mr. Farenwald never made a finer address. He asserted that the rose is the mainstay of the profession and claimed that if any members of the craft have

by Secretary W. N. Craig as spokesman for the ladies, a subject which that gentleman handled in a masterly and impressive manner, admitting that he loves the ladies, always did and always will, asserting that the women's suffrage plank was instrumental in making him a "Bull Moose" and quoting Scott, Burns and others in persuasive proof of his principles and convictions as regards the fair sex. A congratulatory telegram from Thos. Pegler was received with applause. Then the chairman announced "On with the dance," and soon the merry whirl was on, lasting until midnight.

Between the speeches most delightful musical numbers were contributed by Miss Katherine Singer, pianist; Miss Ella Edmonds, soprano; Miss J. A. Corson, violinist, and Mr. Jas. Singer, baritone, and Hutchins' orches-

tra also did fine work throughout the evening.

The regular monthly meeting of the club will be held at Horticultural Hall on Tuesday evening, November 19, 1912. The lecturer of the evening will be Prof. E. A. White of the Massachusetts Agricultural College on "Horticultural Education for the Gardener and Florist."

Nominations of officers for 1913 will be made from the floor, as is customary at the November meetings. There will be reports from the banquet and other committees, and much other business of importance. All interested in horticulture are cordially invited to be present, no matter whether club members or not.

W. N. CRAIG, Secretary.

NATIONAL ASSOCIATION OF GARDENERS.

The annual meeting of the association will be held in the New Auditorium Hall, 81 Orange street, Newark, N. J., on Tuesday afternoon, November 19th. The meeting will be called to order promptly at two o'clock.

Following routine business and election of officers, the meeting will be addressed by the following speakers:—

Robert Craig, of Philadelphia, Pa., "A Talk to Gardeners."

Charles H. Totty, of Madison, N. J., "International Flower Show of 1912."

Prof. J. J. Taubenhaus, of the Delaware Agricultural College, Newark, Del., "Problems of Plant Diseases that Confront the Gardener."

Harry A. Bunyard, of New York, an illustrated lecture, presenting seventy stereopticon views of the International Show in London.

Following immediately after the meeting, a banquet will be given at the Continental Hotel. The dinner will be served promptly at six o'clock so that members who desire to catch early trains for home will be able to do so. A number of notable guests will be with us. Patrick O'Mara will preside as toastmaster. Members intending to attend the dinner should notify the secretary immediately so that tickets can be reserved for them. Dinner tickets, \$2.50.

The team bowling tournament will take place on Monday evening, November 18th, at eight o'clock, at the Tuxedo Academy Alleys, Newark. Teams to consist of three men, members of the local societies or clubs they represent, and members in good standing in the N. A. G. Entries close on Saturday, November 16th, and should be sent to the secretary's office before that date.

The tournament for individual bowlers will take place on Tuesday morning, November 19th, at nine o'clock. To be eligible for this contest, bowlers must be members in good standing of the N. A. G.

The Continental Hotel will be the headquarters of the N. A. G. during the convention. Accommodations for members can be obtained at reasonable rates.

An exhibit of this year's novelties is invited, both from private and commercial growers. Exhibits can be expressed care M. C. Ebel, secretary N. A. G., New Auditorium Hall, Orange street, Newark, N. J., so as to reach there on the forenoon of the 19th inst.

FLORISTS' CLUB OF WASHINGTON.

At the November meeting the members decided that it would be good advertising to show the cards now being gotten out by the N. Y. Florists' Club for the booming of the coming holiday business, and the secretary was instructed to order fifty of these for distribution.

The committee having in charge the distribution of prizes among the public school children in the club's garden contest reported that in view of the limited interest taken in the matter despite the hard work of some of the leading spirits, it was decided that it would be impracticable to make the awards this year. They further reported that the school authorities agreed with them in this decision.

A letter was read from a New York nursery firm in which information was asked as to the status of the Industrial Home School, of Tennytown, D. C., the disbursing officer of that institution having asked that wholesale prices be granted it. At this institution gardening and horticulture is taught and although the members were of the opinion that the work was a laudable one they could not agree that the same prices as are given florists, who made a business of selling their stock, should be quoted them. It is said that the output of the school is sold and it is therefore in competition with the florists. Then again, it could not be seen where it was necessary for them to seek lower prices in that the Government made up any deficits the school experienced. One member said that there were too many of these places in and about the District of Columbia and that the line should be drawn somewhere, although he disliked doing it in this case.

N. L. Hammer, chairman of the bowling team of the club, reported that he had been elected to that position by the members of the team the other officers being William H. Ernest, captain; George Dalglish, secretary, and George Cooke, treasurer. He further reported that the team was making a good showing against its opponents and that it would be in fine shape to gain the championship at the S. A. F. and O. H. convention.

CONNECTICUT HORTICULTURAL SOCIETY.

November 8th was Chrysanthemum Night and brought out a large attendance and a splendid array of blooms in all classes. The exhibitors were John F. Huss, Alfred Cebelius, gardener for Prof. M. W. Jacobus, the Whiting Greenhouses (Carl Peterson, manager), and J. Alfred Weber, gardener for Walter L. Goodwin. The awards were as follows: A first class certificate to Mr. Huss and to the Whiting Greenhouses; a certificate of merit to Mr. Cebelius and to Mr. Weber; and a cultural certificate to Mr. Cebelius for a collection of plants of Begonia Lorraine.

The secretary read from the horticultural press an instructive article on "The White Fly and Its Control," by Prof. J. J. Taubenhaus, and a soul-stirring address by Dr. W. S. Whitmore, entitled "Flowers and the Gardener."

The next meeting will be held on the 22nd inst at the County Bldg., Hartford.

GEORGE W. SMITH, Sec.

NEW YORK FLORISTS' CLUB.

The 11st inst., was chrysanthemum night but when one adds to this "Ladies Night" it is unnecessary to say that it was quite a brilliant and enjoyable meeting, there being no less than ninety ladies present, with about 125 members. Charles Schenck provided an excellent vaudeville entertainment consisting of a violin soloist, lady vocalists and dancing, all of fine talent. There was also a *recherché* little supper provided for the ladies by Frank H. Traendly and of course the members were not neglected. Mr. Hendrickson, chairman of the publicity committee exhibited the design for the Thanksgiving card and also stated that the committee was in need of the sinews of war to carry on the work successfully.

The nominating committee put in nomination for the year 1913 the following gentlemen:—For president, J. A. Manda, William Duckham, W. H. Siebrecht, Sr., and H. A. Bunyard; for vice-president, I. S. Hendrickson, John Donaldson and J. H. Fiesser; for secretary, A. R. Kennedy, Thos. B. de Forest and John Young; for treasurer, W. B. Rickards, Philip Kessler and C. Schenck; for trustees, F. H. Treandly, Chas. B. Weathered, Harry Turner, John Miesem, A. T. Boddington, F. R. Pierson, H. E. Froment, W. F. Sheridan, P. Hornecker and A. H. Langjahr. President Manda declined re-nomination.

The committee on awards which visited the greenhouses of C. H. Totty last week read its report which gave the new rose Mrs. George Shawyer a record of 901.6 points. Six new members were elected and ten new ones proposed. R. E. Berry was authorized by the club to reply to the courteous invitations of the bowling contingent of the Cook County Florists' Association of Chicago.

Exhibits: "Matchless" carnation from the Cottage Garden Co.; chrysanthemums, Traendly & Schenck; Wm. Eccles carnation, Scott Bros.; Solanum capsicastrum Melvini, A. T. Boddington; a vase of roses from J. J. Brozart of N. J. anent which there was considerable discussion. Experts present were of the opinion that it was the very floriferous and useful bedder Madam Jules Grolez sent out by Guillot in 1897, but the matter was referred to the December meeting for adjudication.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Work of Committees.

Exhibited at Madison, N. J., Oct. 31, by Chas. H. Totty, Ceddie Mason, deep red, single com. scale, 87 points; Mrs. Gilbert Drabble, white, Jap., ex. scale 90 points; Mensa White, white, single, com. scale 91 points.

Exhibited at Cincinnati, Nov. 2, by Elmer D. Smith Co., Yonkers, yellow, Jap. reflexed, com. scale 89 points; Mary E. Meyer, white, Jap., com. scale 93 points; Elberon, pink, Jap. incurved, ex. scale 95 points.

CHAS. W. JOHNSON, Sec.

MARYLAND WEEK.

The official program of the annual meetings and exhibition of the Maryland State Horticultural Society is a 50 page book, handsomely gotten up, and interesting. The event will occur on Nov. 19-23 at Fifth Regiment Ar-

mory, Md. With 60,000 sq. ft. of floor space covered with exhibits; addresses, papers, moving pictures, and other special features of entertainment and instruction "Maryland Week" promises to score an unprecedented triumph and offers a tempting opportunity to everyone engaged in horticultural pursuits.

CLUB AND SOCIETY NOTES.

The regular monthly meeting of the Florists' and Gardeners' Club of Rhode Island will be held in their rooms at 96 Westminster street, Providence, on Monday evening, Nov. 18. The principal business will be the election of officers for the coming year.

On Saturday evening Nov. 9, R. Vincent, Jr., president of the S. A. F., lectured at New Orleans, La., before the New Orleans Horticultural Society on "Plants and Flowers of America and Europe." The lecture was finely illustrated with stereopticon views.

The Engelmann Botanical Club held a very interesting meeting last week in the lecture room at the Missouri Botanical Garden. There was an illustrated talk on "The Royal Gardens at Kew," by Secretary George H. Pring. Dr. G. T. Moore, director of the Garden, presided.

The members of the St. Louis Retail Florists' Association spent a pleasant evening at the Washington Hotel, the occasion being their annual banquet. The tables were beautifully decorated. C. C. Sanders was toastmaster. Those who spoke were R. J. Windler, F. C. Weber, Jr., and C. C. Sanders.

Ninety thousand six hundred and seventy-nine persons attended the flower show at the Museum of Natural History in New York on Sunday afternoon. This is said to be a record crowd for the Museum for the time it lasted—just four hours. Thirty-one thousand were admitted within the first hour. This is a good omen for the International Flower Show next spring.

The Chicago Florists' Club held its regular meeting, November 7. The principal business of the evening was the nomination of officers with the following result: For president, Duncan Robertson, Guy French; vice-president, John Degnan, A. Henderson and Chas. Bond; treasurer, Edw. Winterson; secretary, Louis Winterson, Wilder Deamud, S. A. Jamieson. H. N. Bruns was nominated to succeed himself as trustee. The coming banquet was discussed and a good time is promised all who attend.

The regular meeting of the Tuxedo Horticultural Society was held in the Parish House on Nov. 6th. The chief business was in connection with the late fall show, and in the general discussion it was conceded to have been the best thus far. Special attention was drawn to the able and painstaking manner in which F. Bentley, the manager, carried the arrangements and he was given a rising vote of thanks. Mr. Bentley replied in a very feeling and appreciative manner. The meetings of this society are held on the first Wednesday in each month.

The New Jersey Floricultural Society held their regular monthly meeting,

CARNATION "PRINCESS DAGMAR."



We present a picture of Patten & Co.'s new crimson seedling carnation, "Princess Dagmar," which is a cross between Genevieve,—a large white seedling,—and an unnamed crimson seedling. The color is a fine deep crimson not too dark. Flowers large, averaging three and one-half to four inches, borne on strong stiff stems,

Nov. 8th, at Orange. Chrysanthemums were the principal feature of the occasion and hundreds of people viewed the display.

Lager & Hurrell had a nice display of orchids, for which they received a first class certificate. They also received 85 points for Vanda Sanderling. A. C. Von Gaasbeck, gard. John Dervan, also received a first class certificate for chrysanthemum Wm. Turner, exceptionally large flowers. He also captured first for 10 distinct varieties: S. M. & A. Colgate, 2nd. Joseph Manda's prize for the best centerpiece for table was won by Charles Hathaway, gard. Max Schneider; S. M. & A. Colgate, 2nd. Mrs. Wm. Barr, gard. Emil Panuska, won the prize offered by Frank Drews for hardy chrysanthemums; Chas. C. Goodrich, gard. Fritz Berglund, 2nd.

The collections of single and anemone seedlings shown by Frank Drews were awarded cultural certificate and certificate of merit. Certificates were awarded to Thomas A. Edison, gard. Geo. B. Wilson, for roses; Chas. Hathaway for standard and bush chrysanthemums, etc.; Walter D. Sargent, gard. Thomas Hopkins, for Cattleya labiate, S. M. & A. Colgate for carnations.

A committee was appointed to ar-

range for the annual dinner, the ladies to be invited, and to have a dance afterwards; this event to be held the latter part of January.

which hold the bloom perfectly erect at all times. The calyx seldom splits. Plants are perfectly healthy in every respect; a strong grower and propagates easily; an average bloomer and one that attracts instant attention.

Awarded a silver medal at the Chrysanthemum Show of the Massachusetts Horticultural Society, Nov. 7-10.

The Worcester County Horticultural Society held its annual meeting on Nov. 6 and elected the following officers: Edward W. Breed of Clinton, president; Arthur J. Marble, Charles Greenwood and Herbert R. Kinney of Worcester, vice-presidents; Leonard C. Midgeley, secretary; Burt W. Greenwood, treasurer; Miss Lucy M. Coulson, librarian.

The committee on medals reported that medals for excellence in displays had been awarded to Leonard C. Midgeley, William Anson and George McWilliam, who were awarded Blake medals, and Alden Derby, Herbert A. Cook, Walter D. Ross and George McWilliam, who were awarded medals from the Hadwen fund.

PRESENT KNOWLEDGE OF SWEET PEA DISEASES AND THEIR CONTROL.

A paper by J. J. Taubenhaus, Delaware College Agricultural Experiment Station, Newark, Del., read before the American Sweet Pea Society, Boston, July 13, 1912.

(Continued from page 656)

It has been also definitely proved that the mosaic disease is a contagious one, since it can be produced at will by artificial inoculations. I believe with Professor T. F. Manns, chief pathologist and bacteriologist of our Delaware Experiment Station, that the mosaic disease is caused by a protozoic organism which neither our microscopes nor our present cultural and staining methods are sufficient to detect. The symptoms produced in artificial inoculations of this disease are similar to those in the field, namely, a yellowish spotting or mottling of the leaves and a tendency of the leaves of the tips of the plant to curl. Judging from all our observations, it does not seem probable that this mosaic disease of the sweet pea is either introduced or carried with the seeds. The mosaic disease has not once made its appearance in the laboratory during two years work on the sweet pea diseases, and in sowing both sterilized and unsterilized seeds were used all the time. However, it must be added in this connection that we have always used sterilized pots and soil. This at once suggests the possibility of the soils being the source, where the organism is harbored. On this point we are now working. Should we find the soil to harbor the organism then we shall be on the road to discovering some means of treatment.

In England the sweet peas suffer from a disease known as "streak." This disease is very much dreaded by the English gardeners, as it causes great losses. From the descriptions given of that disease it seems to be similar to the new mosaic disease of this country. However, we refrain from passing final judgment until we have the opportunity of seeing the English specimens and of making comparisons. In England the streak disease is attributed to a fungus, *Thilavia bassicola*, which attacks the roots. In our investigations we have not found the *Thilavia* fungus or any other organism associated on the roots of mosaic affected plants. In fact, such affected plants were found to have as normal a root, with as much in the way of legume nodules as the healthy ones. If our mosaic disease proves to be the same as the streak disease of England, it will be safe to assume that the *Thilavia* in England is secondary and merely follows the already weakened mosaic affected plant.

The Anthracnose of the Sweet Pea.

This is another new and American disease of the sweet pea. It was first described by Prof. Sheldon of the West Virginia Agricultural Experiment Station. The disease, although recently worked out, is apparently an old disease known under the name of "wilt" or "drop." In some works on sweet peas it is spoken of as "bud drop," and is attributed to heavily manuring and also to wet seasons. A rich soil and wet climates cannot produce the drop. These are only factors which help the disease in its destructive work. The cause of the anthracnose disease is a

fungus (*Glomerella rufomaculans*), which also is the cause of the bitter rot of the apple. Cross inoculations have been carried on with these two organisms, and their identity definitely established. This means that if your sweet peas grow near some apple orchard, and if the latter suffers from the bitter rot, it will be carried readily by the wind or some insect to the sweet peas and produce the anthracnose disease. We have also proved that the organism which cause the anthracnose of the pepper, the persimmon fruit, and the May apple fruit will also produce the anthracnose disease of the sweet pea and the bitter rot of the apple. It is thus seen how serious a proposition this becomes when we consider the many hosts which can communicate this disease to the sweet pea.

The symptoms of the anthracnose of the sweet pea are diverse. Sometimes the disease is manifested in a wilting and dying of the tips. These diseased parts become whitish and brittle and soon break off. Sometimes the dying works downward, and this involves the entire branch. Oftentimes the leaves are attacked and they soon die. On the leaves the disease soon starts as a white spot, which enlarges and involves the entire area. On the blossoms the fungus either attacks the junction between the flower buds and the peduncle—in this case the bud drops off leaving the peduncle intact—or it attacks both flower bud and peduncle, and this time both dry up but do not fall off. The seed pods are also attacked in all their stages of development; in this case the fungus works inwards until it reaches the seeds. The fungus is capable of living over winter on diseased parts of the plants, in the soil or on the seeds, as was definitely proved.

Mildew.

There is another disease known as mildew. This disease is caused by a fungus which lives on the surface of the leaves and sends suckers into the interior tissue of the host. The fungus attacks both indoor and outdoor sweet peas. However, it need not be feared as it is easily controlled by sulphur dusting.

Methods of Control.

Little is done or known in the way of controlling the diseases of the sweet pea. There are, however, certain measures of control which we can adapt from methods applied to other plants which suffer diseases in nature similar to those of the sweet pea. For the nematodes and all the other root and soil diseases of the sweet pea under glass we would recommend the same treatment as that recommended in Ohio by Prof. Selby for Lettuce disease under greenhouse conditions. The treatments recommended are of two kinds, namely, steaming the soil, and formalin treatment of the soil. The formalin treatment of the soil consists first in spading the soil and bringing it to a good tilth condition as to moisture content. Then the soil is treated with a solution of formalin made of two pints of a 40 per cent. formalin in 50 gallons of water, at the rate of one gallon of the preparation to each square foot of the surface. The application may be given with an ordinary watering can. After the "heavy wetting down" the soil should be left free for about two weeks, until

all the formalin evaporates. This treatment will rid the soil from all fungus pests. But it will not be effective in controlling the nematodes, hence the heating method is the best. It is as follows: It is essential that the soil should be sufficiently moist and at the same time fairly loose. The steaming consists in burying a series of pipes in the soil and letting live steam pass through them. The pipes are perforated, and have cross head and boiler connections. The surface soil is then covered with canvas and the steam passed into the pipes. The temperature for best results is 181 to 212°F., maintained for a period of one hour. For cutworms the following treatment is recommended: Bran, 15 to 20 lbs.; middlings, 10 lbs.; white arsenic, 3 lbs.; molasses, or any cheap sirup, one gal.; freshly chopped green clover, alfalfa, etc., enough to make the mixture of a greenish tint. Mix thoroughly, add just enough water to allow of molding into small balls. Put a pinch at intervals of the row.

The biting insects could be controlled by the same methods used to control the Cucumber striped beetle, a sprinkling of Paris green and flour. Considering the important role aphids play in carrying the mosaic disease, it is very important that the sweet pea aphid should be kept in check. There are two ways of accomplishing this: the first is spraying with any compound of nicotine, the other is to have Nature do it for us. In Nature the green aphid is parasitised by several species of ladybird beetles. The latter can be seen to feed voraciously on the aphids, hence ladybird beetles should not be molested. Green aphids are also parasitised by a small hymenopterous minute wasp-like insect.

We now have a series of experiments under way on different spray mixtures to control the anthracnose. Although it is early yet to reach any conclusions, it seems that potassium permanganate is the most promising fungicide. A one-half per cent. solution will control the anthracnose. The solution has a wine color but it is more or less colorless when applied to the plant. It spots the flower, therefore it should be applied after picking. Spraying at intervals of two weeks will be sufficient.

This concludes my remarks on the sweet pea disease. It does not, however, exhaust the subject. There are many more things that we would wish to know about sweet pea diseases and their control that we do not know. We would like to know more about the relation of lime, manure and fertilizers to the diseases of the sweet pea; the effect of excessive feeding; the effect of drought and of watering, in their relation to the diseases of the sweet pea; the effect of deep and shallow planting; of thin or thick planting and their relations to the disease. More studies are necessary to be made of this mosaic disease before we can conjecture any plans for control; and more studies and trials of insecticides and fungicides are necessary in order to get the best results. We believe that one more year of research will yield us the desired information. For some reason or other the experiment stations have not as yet cared for the interests of seedsmen and florists as they have for the interests of the farmers. Plant pathologists have not

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as yet busied themselves with flower diseases. The Delaware Agricultural Experiment Station is the first and only one in the country to take up the diseases of the sweet pea, both on a scientific and economic basis. But for the reason already stated we, too, cannot devote all our time to the study of flower diseases. The study of the sweet pea diseases at the Delaware station is only a part of a large problem outlined for the investigation of the legume diseases. We have started the work and opened the way.

PUBLICATIONS RECEIVED.

The 52nd Annual Report of the Board of Park Commissioners for the City of Hartford, Conn., combined with the 4th Annual Report of the Public Cemeteries of that city has been issued. It is a comprehensive and interesting document, especially the report of Superintendent George A. Parker. There are several handsome illustrations and a portrait of former Park Commissioner Lucius F. Robinson, who has retired after serving seventeen years.

Michigan Bird Life, by Walter B. Barrows, Professor of Zoology.—Special Bulletin of the Zoological Department of the Michigan Agricultural College, East Lansing, Mich. Just published. Eight hundred and twenty-two pages, 70 uncolored plates and 152 text figures. Weight about 4 lbs. Contains full descriptions of all birds found in the state, with an account of the migration, food, song, nest, eggs and general habits of each species. This bulletin cannot be distributed gratis but will be supplied at actual cost plus transportation. It is sold at the College for 45 cents, in paper covers, or 60 cents, bound in cloth; transportation 35 cents additional and must be prepaid. Applications should be sent to Secretary A. M. Brown, East Lansing, to whom all checks, drafts and money orders should be made payable. Please do not send stamps.

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CHICAGO NOTES.

Theodore Vogel, has accepted a position with Lubliner & Trinz.

C. M. Dickinson, manager of E. H. Hunt, is laid up with an attack of blood poisoning in his hands.

Another of the large department stores has put in a plant department and expects to add cut flowers in the near future.

A large mahogany and gold ice box 5 by 22 was installed at J. Mangel's last week, also a new table of red Italian marble.

G. Vournikes who left the Alpha Floral Co., three years ago to go into the retail business for himself in Ohio, is now back at his old place.

The Chicago Carnation Co., received a telegram from its manager A. T. Pyfer, at the St. Paul Flower Show, Nov. 12th, as follows: "Bringing home the bacon; First prize on The Herald; first on Enchantress; second on White Wonder and Washington." Mr. Pyfer leaves for Cleveland, Thursday, when he will also exhibit.

Kroeschell Bros. received orders for two of their greenhouse boilers on election day, one coming from Kansas and the other from Pennsylvania. Fred Lautenschlager states that business is remarkably good for the season. He has just returned from Vincennes, Ind., where his firm has an order for a central hot water heating system designed for John J. Frisz, the largest vegetable grower in Indiana.

Sunday, Nov. 10th, was a day of genuine Indian summer weather and chrysanthemum exhibitions opened at both Lincoln and Garfield park con-

servatories. At Lincoln Park, head gardener August Schile said he never before had seen the attendance so great, the grounds about the entrance to the conservatories being packed for a block. 25,000 or more viewed the display on Sunday at this park. A pleasing feature was the pompons in hanging baskets. Some excellent trained bush plants and a grafted plant with 56 different varieties were noted.

Visitors—A. M. Augsburger, of A. Augsburger & Sons, Peoria, Ill.; C. Gullett, Lincoln, Ill.

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Obituary.

Robert Turton.

Robert Turton, florist, of St. Louis, Mo., died of heart failure on Oct. 25. He was a civil war veteran. A wife and five children survive him.

Henry Greschens.

Henry Greschens, a florist, of Alameda, Calif., died at his residence, 2527 Clement avenue, on November 4; aged 62 years.

Linden Bree.

Linden Bree, Nevada County horticultural commissioner, and a well-known horticulturist, died at the home of his mother in Grass Valley, Calif., on Nov. 1; aged 39 years.

John Watson.

On Oct. 30, John Watson, formerly a florist in Seattle, Wash., died at the home of his daughter in Albany, N. Y., at the age of 77 years. He was born in England but had resided in America for over 30 years. He leaves a widow and three sons.

James Kerr.

We learn from our British contemporaries of the death of Mr. James Kerr, of the firm of Messrs. Kerr Brothers, nurserymen, florists and seedsmen, Dumfries. Mr. Kerr died in the hospital at Napier, New Zealand, where he was engaged in horticultural pursuits. Violas and dahlias were among his specialties. He was a brother of G. W. Kerr, well known as a sweet pea authority, associated with W. Atlee Burpee & Co., at Fordhook.

Joshua I. Maxwell.

In the death of Joshua I. Maxwell, on Oct. 23, Geneva, N. Y., loses one of the founders of the nursery business in that city, a business which has made the section famous. In 1852 he, with his brother, who had begun business a little earlier, started the nursery business when there were but two other nurseries in town, and the total plantings did not exceed ten acres. When they gave up business, about twenty years ago, they alone had over 1000 acres planted. Mr. Maxwell was 88 years of age.

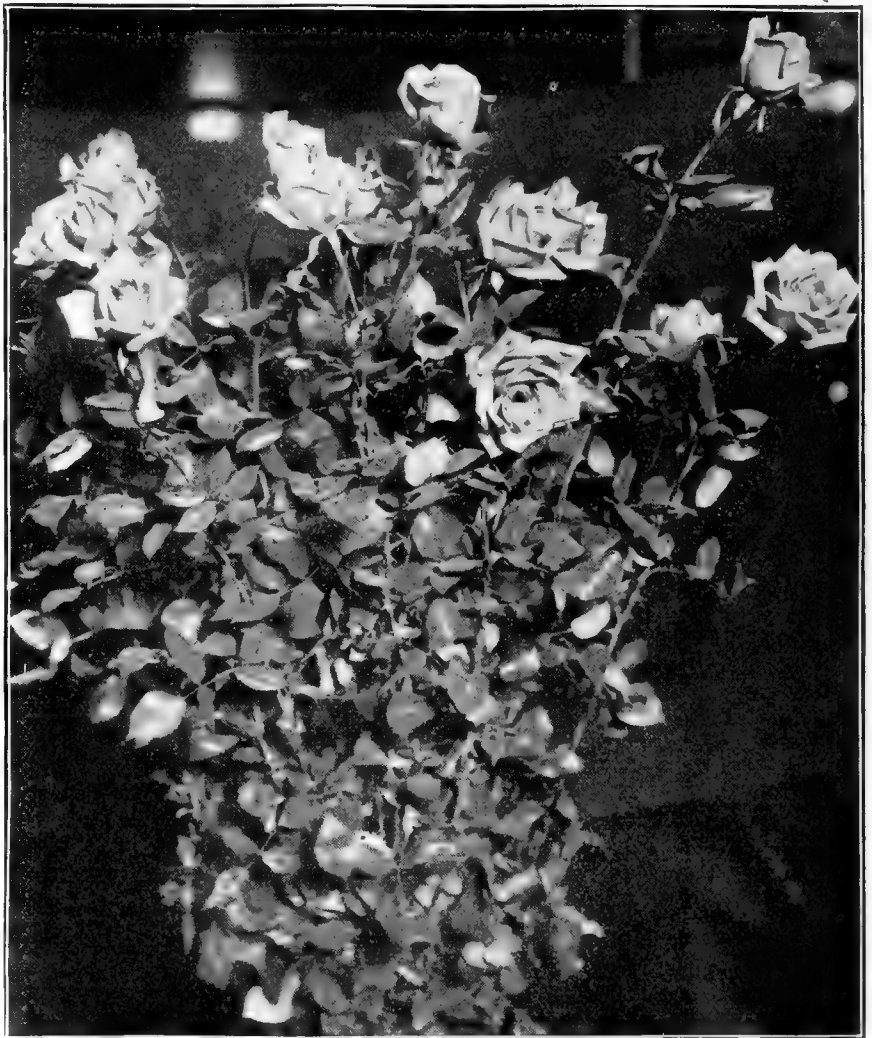
Death claimed for its own last week in Hamilton, Ohio, one of Cincinnati's old retail florists, Casper Titenberg.

FLOWERS DESTROYED BY SEWER GAS.

On November 8, when the flower store of Morse & Newell, 135 Marri-mack street, Haverhill, Mass., was opened, the entire contents, plants and cut flowers, were found dead. Most of the foliage was on the floor. The principal loss will be ten large 4-8 ft. palms and the cut flowers. The cause was traced to a sewer, but this was denied by the owner of the building. Newell claimed that the heavy rain of Thursday night drove the foul air from the main sewer pipe into an open drain where no trap had been placed under the building, and as the heavy air could not get out as rain acted as a barrier, and filled the basement and percolated all through the store. The matter was pushed to a finish, when the city ordered an investigation, and

NEW ROSE MRS. GEO. SHAWYER.

On 5½ ft. stems.



city engineers and inspectors of plumbing first declared it impossible, but after one defect after another was shown and when the inspectors and Newell went to the hotel toilet in the second story of the building and turned down hot peppermint in the bowl and found it filled the basement, they both declared that the entire sewer system will have to come out and new put in, and that there was no other cause than this that spoiled the stock in Morse & Newell's. The owner of the building was then requested to pay for what was damaged and dead. There were four drains and none of them had any traps and nothing to prevent sewer matter running into the basement, yet for three years the holder of the lease had been unable to get a thing done. It was proved that the entire fault rested on the owner of the building, and the city ordered repairs at once.

In connection with the above facts, Mr. Newell wishes to state through this paper that he has been buying carnations from Leonard Cousins, Jr., Concord Junction, Mass., and blamed him on a shipment made early in the week, where the flowers closed up over night, but has now become convinced that his goods were A No. 1 and the trouble was caused by a leak in a sewer. He wishes to publicly apologize to him, finding his goods just as he represented them.

THE SWEET PEA IN AMERICA.

It is now some time ago since I read your delightfully refreshing letter by Rev. W. T. Hutchins, telling of the "Great Triumph of the Sweet Pea in America," as seen at the Boston Show of the American Sweet Pea Society.

I have been surprised that only in 1912 were the American seedsmen, growers and press realizing the beauty and possibilities of the sweet pea. The old proverb "It is never too late to mend" must bring cheerful consolation to the parties mentioned. Never did the proverb carry so much hope as it did at the Boston Show. I imagined when reading the reports, that I saw such staunch enthusiasts as Mr. W. Atlee Burpee, Mr. Sim, Mr. Bunyard, Mr. Geo. Kerr, Rev. W. T. Hutchins and others, shaking hands and congratulating one another that at last they had crowned their "Queen" and a long reign of popularity was assured.

The British Society has done and is doing wonderful things, but what has enabled the Society to do these things? My humble opinion is that to Thos. Jones, Ruabon, Wales, Alex. Malcolm, Duns, Scotland, and other amateurs, who in the earlier days of the sweet pea showed us the possibilities of the flower, is due a large share of the honor. Perhaps, however, the greatest honor must be given to the British seed trade for the way they educated the public in sweet pea mat-

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In writing to Advertisers kindly mention Horticulture

ters. True they had their axe to grind but for a while the grind was slow. The seedsmen who have gained distinction and success with sweet peas have been the men who loved the flower and who had the desire to see the sweet pea in the front rank of popular flowers.

With the exception of but a few houses such as C. C. Morse & Co., and W. Atlee Burpee & Co., the seed trade in America has done very little for the sweet pea. But probably this tardy awakening of enthusiasm amongst seedsmen and with it the tardy awakening to the business possibilities connected with the sweet pea "craze," will not prove to be time lost. As yet, many of the sweet peas which were novelties in England five years ago, are unknown to the vast majority of the amateur growers in America. If all the seed-houses were to educate the public as to what varieties to grow and what a little attention will do, I feel sure it would prove well worth while.

Spencers offered by growers at a low figure really as a rule, turn out to be mostly grandifloras. In England the experience was that amateur growers were willing to pay the price for the true thing. If the sweet pea is to continue its growth of popularity in America, the amateurs must have true stocks.

From what Prof. Taubenhaus said he finds the sweet pea very much subject to all kinds of insects and fungous diseases. In my nine years experience of growing sweet peas I can honestly say that in the sweet pea I have seen very little or no trouble from insects or disease. That the diseases exist I know, and that insects attack them I know, but in a normal season and under good cultivation one does not get much trouble. In California this year, all growers suffered severe losses through the attack of green fly. But most growers put it down to the bad season, late rains, light rainfall, etc. It was only because of the enormous acreage that the aphids could not be dealt with and had the trouble been in an ordinary garden, it could easily have been handled.

It has been suggested to me that sweet peas cannot be grown to as great perfection in this country as in Great Britain. I have seen sweet peas grown in the East and in California and I was greatly impressed with the possibilities suggested by the results the growers had. I have read reports from and have had conversations with growers in the Middle States and all are enthusiastic over their results. It is my firm conviction that better sweet peas can be grown in America than in England. All that is necessary is to get the enthusiasm up and then the amateurs will put that little bit extra into their growing methods. Already many amateurs are doing this and I have met many who want me to go right to their homes to see the results. The craze will spread so long as these results are seen. As President Sim has said, "All it takes is a few enthusiasts to start the thing going."

The time is ripe for putting the flower before the public. Let the American trade, the American press and the American amateurs and gardeners join with the American Sweet Pea Society to push the flower on to its rightful place in the gardens of this country. With all my heart I wish them success.

FRANK G. CUTHBERTSON.

California.

SOCIETY OF AMERICAN FLORISTS.

Report of Entomologist.

(Continued from page 620)

The Circular Scale.

Chrysomphalus Anidum (Linn.).

This is probably the most common armoured scale found in greenhouses. It is widely distributed; in semi-tropical regions it is a serious pest of outdoor plants.

An adult female scale is comparatively large, circular, quite convex with a nipple-like prominence in the center, which is grayish and surrounded by a reddish-brown ring. The young scale differs from the armoured scales in that it does not remain fixed after it begins secreting its scale covering. The life cycle of the insect may be completed under greenhouse conditions in from 60 to 70 days, therefore, there may be about six generations during a year. This scale attacks Palms, Cycads, Ficus, Oleander and Citrus plants. It is controlled by treatment with strong soapy solutions.

Miscellaneous Scales.

There are several other scale insects that are commonly found on various greenhouse plants such as Cyclamen and Lantana Scale. *Aspidiotus Lantanae* (Signi), which is often found on Cyclamen, Lantana, Laurus, Palms and Citrus trees.

The Greedy Scale, *Aspidiotus rapax* (Comst), is sometimes found in greenhouses but seldom very troublesome. The Chaff Scale, *Parlatoria pergandii* (Comst), is also commonly found on Citrus plants, grown under glass.

Other scale insects such as the San Jose, (*Aspidiotus perniciosus*) Oyster Shell Scale, (*Lepidosaphes ulmi*), the Scurfy Scale, (*Chionaspis furfura* Fitch), are of common occurrence on various trees and plants that surround a home. These latter armoured scale are controlled with the lime-sulphur remedy.

Remedies for Scale Insects.

The length of this report already prevents an extended discussion of the remedies and precautionary measures for the control of scale insects that may trouble the florist. As a rule, these pests may either be controlled by fumigation or application of a contact insecticide, in the form of a wash or spray. Care must be exercised in either case not to use a strength that will injure the plant.

Fumigation with Hydrocyanic Acid Gas is a most useful and satisfactory treatment for greenhouses that are infested with Mealy Bugs, White Fly, Thrips and various species of aphids. Care must be taken in the strength of the doses used depending on the character of plants growing. After extended tests, Mr. A. B. Gahan, in Bulletin No. 19, Maryland Agricultural Experiment Station, reports the following table of potassium cyanide used and length of exposure given to various plants without injury. Recent tests with tomato and cucumber indicate that a 50 per cent reduction in the strength of cyanide would be as effective and safer against the White Fly.

It is best to fumigate with cyanide at night. It usually requires a second or third treatment with the above strengths to kill all Mealy Bugs.

Hydrocyanic-Acid Gas is made by combining in a crocken jar, Potassium Cyanide one ounce, sulfuric acid (commercial) one fluid ounce, water three fluid ounces.

The house should be made as tight as possible, and great care exercised in handling these chemicals. For scale insects other than Mealy Bugs, a strong soap solution seems to be the best general remedy.

Whale oil soap used at the rate of one pound to one gallon of water is useful in treating all kinds of plants usually grown in greenhouses, with the exception of ferns. Ferns may be treated with either Lemon Oil or Fir-tree Oil, at the rate of one to forty parts of water, which will usually control the Hemispherical Scale so common on this plant.

These solutions can either be sprayed thoroughly on the plants or the plants may be dipped in the solution. A 10 per cent. kerosene emulsion can be used successfully against some scale insects, such as Oyster Shell Scale or Euonymus Scale insects, when the eggs are hatching. Oftentimes a free use of water applied vigorously will wash off scale insects, especially young ones.

These insects as well as San Jose and other outdoor scale insects are usually best controlled by dormant spraying with lime-sulphur solution.

The matter of controlling these insects is, therefore, simple if remedies are applied at the right time. Florists should watch their houses and not permit any pest to gain a headway.

Plants.	Cyanide per 1000 cu. ft.	Length of Exposure.	Remarks.
Violet	4 ozs.	Two Hours	.....
Primula	1 oz.	Overnight	.....
Chrysanthemum	3/4 of an oz.	Overnight	Old plants will stand more
Rogonia	1 oz.	Overnight	.....
Nasturtium	1 oz.	Overnight	.....
Alternanthera	1 oz.	Overnight	.....
Lantana	1 oz.	Overnight	.....
Verbena	1 oz.	Overnight	.....
Orchid	1 oz.	Overnight	Tried but once at this strength
Snapdragon	3/4 of an oz.	Overnight	Tried but once
Asparagus Fern	3/4 of an oz.	Overnight	Tried but once
Sweet Pea	3/4 of an oz.	Overnight	Tried but once
Corcepsis	3/4 of an oz.	Overnight	.....
Mignonette	3/4 of an oz.	Overnight	.....
Carnation	2 ozs.	Overnight	Does not kill red spider
Croton	2 ozs.	Overnight	Only two varieties tested
Cyclamen	2 ozs.	Overnight	.....
Easter Lily	1 oz.	Overnight	.....
Geranium	1 oz.	Overnight	.....
Rose	1 oz.	Half Hour	.....
Coleus	1 oz.	Half Hour	.....
Sage Palm	1 oz.	One Hour	.....
Acyranthes	1 oz.	One Hour	.....
Tomato	3/4 of an oz.	Overnight	Tried many times
Cucumber	3/4 of an oz.	Two Hours	Tried but once
Lettuce	1 oz.	One Hour

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Top roots.....	\$8.00 per 100
1st Size.....	6.50 per 100
2nd Size.....	4.75 per 100

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13 to 15 centimeters	1000
1500 Czar Peter. Light porcelain blue.....	\$18.00
1500 Grand Blanche. Pure white.....	17.50
1000 Grandeur a Merveille. Blush white.....	16.00
1500 King of Blues. Dark blue.....	18.00
1000 La Peyrouse. Porcelain blue.....	16.50

SINGLE NAMED TULIPS

1500 Couleur Ponceau. Rich cerise.....	7.50
5000 La Reine. White, slightly rose shaded.....	7.50
6000 Rosamundi Huikman. Bright pink.....	8.00
3500 Vermilion Brilliant. Brilliant scarlet.....	16.00
9000 Yellow Prince. Pure yellow.....	8.00
Prince of Austria. Orange vermillion.....	14.00
Sir Thomas Lipton. Brilliant scarlet.....	26.00
9000 Superfine Mixed. Single Tulips.....	7.00
Parrots Mixed.....	7.50

DOUBLE TULIPS

1000 Couronne d'Or. Yellow tinged with old gold....	16.75
5000 Murillo. Magnificent blush white.....	10.00
1000 Salvator Rosa. Deep rose.....	15.00
750 Titian. Double red.....	15.00
1000 Venerbook. Brilliant orange scarlet.....	16.75

MAY-FLOWERING TULIPS

1000 Bizarres.....	\$9.00
8000 Bouton d'Or.....	11.50
5000 Gesneriana macrophila.....	8.75
5000 Gesneriana spathulata or major.....	11.50
2000 Isabella, or Shandon Bells.....	9.00
5000 Maiden's Blush.....	10.00
1000 Boddington's Quality Superfine mixture May-flowering Tulips.....	7.50

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THE BRIDE.....	\$0.75	\$6.00
BLUSHING BRIDE.....	.75	6.00
PEACH BLOSSOM.....	1.10	9.00

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FERN BALLS**

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Seed Trade

Effects of Weather Vagaries on Trade.

There are reports that the continuance of warm weather has had the effect of retarding activity in the bulb trade and that there is likelihood of a considerable carry-over on certain lines, but with the advent of colder weather—whenever that arrives—the probabilities are that there will be no large quantities left in the hands of the dealers. It is certainly a fact that we are having exceptionally warm, open weather for the time of year, though it is now so late that a sudden change to wintry conditions need not surprise any one.

The Potato Question.

Despite the Government report that we have harvested the largest crop of potatoes in the history of the country, prices continue fairly high and this is explained by reports of rot of a more or less serious character. If one may judge from the quality of the tubers served on our tables, there must be some foundation for these reports, as a really fine mealy potato is a rarity. Just how the stock will winter and what the situation will be next spring the future alone can answer.

Onions Keeping Poorly.

We have already called attention, not only to the potato question but to the condition of onions, and additional information has only served to confirm earlier reports that a very large percentage of the crop is soft and will have to be consumed speedily or will have to go to the dumps. Where onions have been grown on a sandy or gravelly loam they are generally of very good quality, but those grown on low muck land, on account of continued late rains, did not ripen down, and many had green tops when they were harvested. Under such conditions it is of course evident that such stock cannot be carried far into the winter, and a further evidence of this is that late buyers who usually store onions for spring shipments are buying very sparingly and are allowing the farmers to winter the bulbs. As the latter in most instances have not the best of facilities for caring for them over winter, the shrinkage when spring arrives will be very heavy.

Cabbage and Bean Crops.

The cabbage crop is a very heavy one and prices at this date are ruling very low,—from \$3 to \$3.50 per ton in marked contrast to the prices ruling last spring,—ranging from \$40 to \$60 per ton. However, it has happened more than once that extremely low prices in the fall have been followed by a strong high market in the spring, and history may repeat itself. It may seem somewhat absurd, yet the fact remains that no definite information concerning the bean crop has yet been issued by the growers, and it is well along towards the middle of November. Such a situation is

certainly most unsatisfactory, yet no one can be held responsible as conditions are certainly very much mixed and one would not be able to give probable percentages without a more or less blind guess. It is of course known, in a general way, that the crop has been very badly damaged, especially in Michigan, where the situation is reported to be much worse than in New York State. However, time solves all problems, and we shall learn some time before the planting season opens another year what the crop really is.

The Celery Stringency.

There has been considerable discussion in the trade regarding the available stocks of Golden Self-Blanching celery seed and it seems to be very clearly established that never in the history of the trade has this item been so scarce as this year. We have been reliably informed that the large retailers are getting from \$20 to \$30 per pound for the French grown stock, and cannot supply the more or less restricted demand even at these prices. Not only is the French grown stock well nigh a failure, but the California crop is but a little better, deliveries from the best growers averaging from 10 to 20 per cent. It really begins to look as if the trade would have to turn their attention to the development of some other variety to take the place of the Golden Self-Blanching as the present type is so lacking in vigor that it seems incapable of producing seed. Just at the moment there is no other variety which can be considered as in the class with the Golden Self-Blanching, but it is one of the fortunate features of our human existence that generally something is found to meet the requirements when the necessity becomes pressing enough, and doubtless the situation will be met in this instance.

Notes.

Lawrence, Kan.—The Busch Seed Store has moved into the Pearson building.

Ravenna, Ohio—The Ford Seed Co., 742 North Chestnut street, is building an addition to their store.

George C. Watson, of Philadelphia, is on his southern business trip. Grass seeds of highest quality and other good things.

Shenandoah, Iowa—The Henry Field Seed Co. intends to move its garden seed department into a building recently purchased by them.

Paul Heil, formerly with M. M. Ayres, florist, 815 North Grand avenue, has taken a position with F. H. Weber, 350 North Boyle avenue, St. Louis, Mo.

DeForest Reichard, with the Morris & Snow Seed Co., 425 South Main street, Los Angeles, Calif., was married on Oct. 24 to Miss Ada Devendorf.

Thomas W. Chisholm, sales manager of the Braslan Seed Growers' Company, Inc., left California on November 10th for his annual visit to the trade.

Albany, Ind.—The New Albany Seed & Implement Co. has been incorporated

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LILY OF THE VALLEY (Cold Storage)
 Michell's Fancy } 250 500 1000
 Giant Flowering } \$4.50 \$8.50 \$16.00
 Hamburg Brand. 4.00 7.50 14.00

LILIUM GIGANTEUM (Michell's Special Brand, New Crop)

	Bulbs Per case	Per 100	Per 1000
6-8 inch.....	400	\$4.00	\$36.00
7-9 "	300	6.50	60.00
8-10 "	225	9.50	90.00
9-10 "	200	11.00	100.00
10-12 "	150	16.00	150.00

LILIUM GIGANTEUM (Cold Storage, Special Price to make room)

	Bulbs per case	Per 100	Per 1000
6-8 inch.....	350	\$16.75	\$45.00

LILIUM MULTIFLORUM (Michell's Special Brand)

	Bulbs per case	Per 100	Per 1000
6-8 inch.....	400	\$3.75	\$33.50
7-9 "	300	5.75	54.00
8-10 "	225	8.25	77.50
9-10 "	200	9.25	87.50

SHAMROCK SEED (True Irish)

Trade pkt. 25c; 75c per oz.

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 518 Market St., Phila., Pa.

with a capital stock of \$5000. Incorporators are H. Brown, Sr., L. Brown and H. Goetz.

Mattoon, Ill.—Fire recently did a small amount of damage to the basement of the building occupied by the J. S. Ashbrook Seed Co., at Campaign avenue and I. C. R. R.

Mr. Frank Selnow, who has been with Mr. George H. Price of Albany, N. Y., for many years, has formed a connection with J. F. Noll & Co., Inc., of Newark, N. J. Mr. Selnow has been very well and favorably known to the retail trade, and has been considered one of the best all-around seedsmen in the country. Those who know Mr. Selnow will extend to him the best wishes for success in his new venture and will also be disposed to congratulate J. F. Noll & Co. on securing so valuable an addition to their organization. This firm has made one excursion in the direction of securing outside assistance with results that were more or less unsatisfactory, but it is confidently believed that the present experiment will prove a marked success.

CATALOGUE RECEIVED.

Dammann & Co., San Giovanni a Teduccio, Italy—Novelties in seeds for the season of 1912-1913.

NEWS NOTES.

Kansas City, Mo.—E. O. Pratt has leased the greenhouses of W. A. Rule.

Frankfort, Ky.—A state nursery will be established here by State Forester J. E. Barton on land adjoining the State Fair grounds.

Rochester, N. Y.—Lord & Burnham Co. have just opened up a branch office here which is to be located in the Granite Bldg., on the corner of Main and St. Paul Sts. This office will be in charge of H. E. Bates, formerly of the King Construction Co.

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Mat 120 bulbs \$7.20 Basket 30 bulbs \$2.00

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Write for Prices

Special Bulb Prices

Very Best Quality for Immediate Order

	Per 100	Per 1000
Calla Lilies, large size.....	\$5.00	
extra selected..	7.50	
Freessias, Refracta Alba, first size .....	.75	\$7.00
Freessias, Refracta Alba, extra large.....	.90	8.50
Narcissus, Paper White Grandiflora.....	.90	8.50
Hyacinths, single separate colors, un-named.....	2.10	20.00
Hyacinths, double separate colors, un-named.....	2.35	22.50
Narcissus, Empress double nose	1.60	14.00
Narcissus, Polyanthus double Roman	1.00	8.50
Oxalis, Bermuda Buttercup.....	1.00	8.50
Iris Hispanica.....	.30	2.50

To secure these prices mention this Ad. Fair supply of all other varieties. Send your order today.

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Growers for Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

POINSETTIAS 2 1-2 in. strong, \$5 per 100; \$45 per 1000
CYCLAMEN SEED the celebrated English strain, \$9 per 1000
PANSY SEED, home-grown, finest giant strain. \$5 per oz. 

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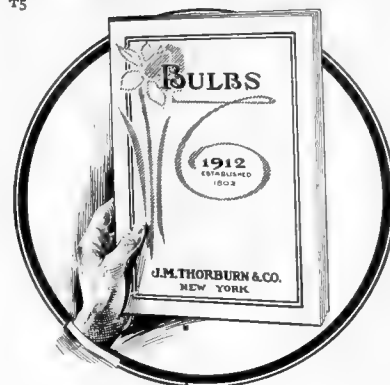
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T5



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SWEET PEA SEED**

For Fall Delivery

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"Renowned Sweet Pea Specialists"

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ST. PAUL, MINN.

Of Interest to Retail Florists

THE FUNERAL FLOWER CONTENTION.

The Rev. Dr. Mark A. Matthews, moderator of the Presbyterian general assembly, has joined hands with the Roman Catholic priest who lately went on record as opposed to flowers at funerals. In an address Mr. Matthews, said:—

"My desire is to banish all flowers from funerals. What is the use of blossoms on a coffin? Christianity ought to educate this custom out of the ideas and ideals of Americans. Take the roses and put them, not on a coffin, but in the lapel of the laboring man on his way to work. Send the lilies into the workshop, into the sweat shop, there to brighten lives."

This idea of paying tribute to the living instead of the dead is gaining converts every day. The ostentation attending funeral services is gradually

STEAMER DEPARTURES

American.

St. Louis, N. Y.-S'hampton...Nov. 23
Philadel'a, N. Y.-S'hampton...Nov. 30

Atlantic Transport.

Minnetonka, N. Y.-London...Nov. 23
Minnehaha, N. Y.-London...Nov. 30

Cunard.

Campania, N. Y.-Liverpool...Nov. 20
Mauretania, N. Y.-Liverpool...Nov. 27
Franconia, N. Y.-Meditter'n...Nov. 28
Ivernia, Boston-Liverpool...Nov. 30

Hamburg-American.

Pres. Lincoln, N. Y.-Hamb'g...Nov. 19
Amerika, N. Y.-Hamburg...Nov. 23
Patricia, N. Y.-Hamburg...Nov. 30

Holland-America.

Ryndam, N. Y.-Rotterdam...Nov. 19
Rotterdam, N. Y.-Rotterdam...Nov. 26

Leyland.

Canadian, Boston-Liverpool...Nov. 23
Cestrian, Boston-Liverpool...Nov. 30

North German Lloyd.

Gros. Kurf'rst, N. Y.-Br'm'n...Nov. 19
Pr. Fried. Wil., N. Y.-Br'm'n...Nov. 23
K. Wil. der G., N. Y.-Br'm'n...Nov. 26
Geo. Wash'gt'n, N. Y.-Br'm'n...Nov. 30

Red Star.

Vaderland, N. Y.-Antwerp...Nov. 20
Lapland, N. Y.-Antwerp...Nov. 27

White Star.

Arabic, Boston-Liverpool...Nov. 19
Baltic, N. Y.-Liverpool...Nov. 21
Oceanic, N. Y.-S'hampton...Nov. 23
Cretic, Boston-Meditter'n...Nov. 23
Cedric, N. Y.-Liverpool...Nov. 28
Olympic, N. Y.-S'hampton...Nov. 30

growing less even among the class of people financially able to make a display. Instead of putting up pretentious monuments to commemorate the dead many people give money to undertakings in memory of the dead which shall benefit the living.

But in this matter of flower giving the clergyman takes it for granted that the blossoms are wasted because the dead cannot appreciate their beauty. This is not true. As a matter of fact it is the living grief-stricken people who are considered as much as the memory of the departed. The fragrance and beauty of the flowers are a source of comfort and pleasure to the sorrowing ones and tend to lighten the burdens of those left to mourn. The flower custom may be abused as when the sender cannot afford the tribute, but when reason is used flowers may be a potent help in time of trouble.—

Meriden (Conn.) Record.

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"FLOWERS BY TELEGRAPH"

**BROOKLYN
NEW YORK**

Wilson

3 & 5 Greene Ave.
Tel. 6800 Prospect

339-347 Greene Ave. Tel. 3908 Prospect

THE ROSERY

76 MAIDEN LANE

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

Hatcher

Estab. 1877

LEADING FLORIST

Amsterdam, N. Y. Schenectady, N. Y.

Established 1874

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City
(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardspier.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Asso.

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Member Florists' Telegraph Delivery.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston
and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

BOSTON'S BEST
In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, BOSTON.

CARBONE

Member Florists' Telegraph Delivery
342 Boylston St., Boston

Vases, Garden Furniture, Art Goods and
New Designs in Tuscany Baskets for
Florists' Use, in Wholesale Department.

H. F. A. Lange

WORCESTER, - MASS.

Deliveries to all Points in New England.
125,000 square feet of glass.

FOR NEWPORT

Narragansett Pier and All Other Rhode
Island Points

Transfer Your Orders to

GIBSON BROTHERS

36 WASHINGTON SQUARE, . . . NEWPORT, R. I.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
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Flower Deliveries in

ROCHESTER, N.Y.

Salter Bros

38 MAIN STREET, WEST.

The California Florist

JULIUS EPPSTEIN — FRANK H. FORREST

344 - 346 Geary Street, SAN FRANCISCO,
and Hotel St. Francis, CAL.

We cover the entire Pacific Coast and West
of the Rockies. Wire us your orders for
all Steamers sailing for Honolulu, Manila
and the Orient. Regular Trade Discount

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

Pelicano, Rossi & Co.

123 KEARNY ST.

The Far-Famed Flowers of

TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - - TORONTO, ONT.

Of Interest to Retail Florists

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 76 Maiden
Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Ed. MacMulkin, 194 Boylston St.
Boston—Penn, the Florist, 37-43 Brom-
field St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Philip L. Carbone, 342 Boylston
St.

Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.
Chicago—A. Lange, 25 E. Madison St.

Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912
Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Wash-
ington Sq.

New York—George M. Stumpp, 761 Fifth
Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St.
and Madison Ave.

New York—Alfred T. Bunyard, 413 Madi-
son Ave.

New York—Bloomingdale's.
Providence, R. I.—T. J. Johnston & Co.,
171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main
St., West.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

San Francisco, Cal.—The California
Florist, 344-346 Geary St.

San Francisco, Cal.—Pelicano, Rossi &
Co., 123 Kearny St.

Schenectady, N. Y.—J. C. Hatcher.
St. Paul—Holm & Olsen, Inc.
Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Wellesley, Mass.—Tailby.
Worcester, Mass.—H. F. A. Lange.

NEW FLOWER STORES.

Dallas, Tex.—McKinney Nursery
Co.

Binghamton, N. Y.—W. Baker, 93
Front street.

Nashville, Tenn.—McIntyre Bros.,
1502 Broadway.

Earlville, Ill.—Floyd Weaver, Kos-
sert store building.

Kansas City, Mo.—Miss Elizabeth
Carlson, 702 Walnut street.

Pasadena, Cal.—Orchid Flower
Shop, East Colorado street.

Coeur d'Alene, Idaho—Adolph Don-
nart, 222 Sherman street.

Chicago, Ill.—Charles W. Crum,
3954 West Harrison avenue.

Philadelphia, Pa.—New Century
Flower Shop, 616 South Fifty-second
street.

Battle Creek, Mich.—The Flower
Shop, 179 West Main street, Joseph
Case and Kimball Kleckner, proprie-
tors.

Detroit, Mich.—Hufford & Maebius,
retail florists, have moved to 249 Ran-
dolph street.

BOSTON, MASS.

Penn the Florist

"Penn, The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET

TRANSFER

Your orders for flower or plant de-
livery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston



GUDE BROS. CO
FLORISTS
1214 F ST., N.W.
WASHINGTON, D.C.

**WASHINGTON,
D. C.**

GUDE'S

Member Florists'
Telegraph Delivery.

Chicago.

A. LANGE,

25 E. MADISON ST.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

WASHINGTON

915 F ST. N. W.

F. H. KRAMER

Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work First Class

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 44-2.

THE Florists' Supply House of America

H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.

PERSONAL.

F. Rischeen is now employed by M.
Sweeney, 510 Pine street, Providence,
R. I., having given up his position
with Miss Florence Willard.

Mrs. Caroline Dundore announces the
marriage of her daughter Lou Helen to
Mr. John Frederick Moore on Thurs-
day, November 7, 1912, at Lancaster-
Pa. Mrs. Dundore is one of the bright-
est and most progressive of our re-
tail florists and ranks with the best
of the metropolitan artists.

THE RETAILING OF CUT FLOWERS.

A Paper by Irwin Bertermann before the Chicago Florists' Club, Nov. 7, 1912.

The merchandising of cut flowers is in itself closely allied in general principles with the selling in small quantities of any other article. The man who is capable of selling real estate or greenhouses is equally capable of selling roses. It is not the man who sells flowers sluggishly at a profit of 15 per cent, but the one who can brilliantly present to the public, quantity of flowers at a gross profit of 150 per cent, by closely watching the market, who is a live factor in the up-building of the retail business at the present time.

The intensive form of conducting the retail business is much like intensive farming. A greater quantity of business may be transacted in a given space and time but it takes much more energy and expense to do it. Unpopular as the practices may be with the greatest number of retailers the methods of some of the pushers as exploited by the trade papers at different times, showing the terrific manner of inducing trade, is certainly a good object lesson in showing how large quantities of flowers may be distributed among the transient trade, with much accruing good to the producer.

Indirectly the Florists' Telegraph Delivery, still in its infancy, is making great strides in educating the flower-buying public. When we think that a first-class florist in a town of say 500,000, approximately, does an out-bound and in-bound business of \$7000 annually, is it wonderful to think of 1,000 florists doing a business of \$7,000,000, annually? A conservative estimate of the transferred orders received by New York florists in the season is from \$750,000 to \$1,000,000 per year. This important phase of the retail business should certainly be given impetus by grower and retailer alike.

The inspiration of the retail business—new varieties of flowers—should receive its just attention in all quarters. A new flower invariably brings a slightly higher price, and more than repays the slightly increased cost in the friends it makes and the popularity it incures. Mrs. Aaron Ward, Lady Hillingdon, and Melody have added tremendous influence upon the flower-buying public. The roses—Milady, Mrs. Chas. Russell, the new French hydrangeas, Mrs. F. Sander daisy, also several other novelties may be counted upon in making thousands of friends for those interested in buying nature's wares in the near future.

Publicity with its versatile and great accomplishments seems to be the slogan—"First, last and all the time," with florists who are disposing of the greatest quantities of flowers. Those unwilling to take up the great selling cudgel are liable to at any time be surpassed by those who are willing to dispose of good goods at moderate prices and inform the public of just what they have to sell in an attractive

manner. The good work now being done by the New York Florists' Club in the distribution of posters, displayed simultaneously, clearly shows what collective effort may do in publicity work. They plan for a great Thanksgiving campaign, and the outcome is awaited with interest. Advertising is a separate department in all the big stores of the country, but it is a sadly neglected art with many of the retailers who are wont to treat it as a side issue, and place it in the hands of the inexperienced for use. There is a vast difference between the maintainer of price and shrewd merchandiser, and the trade spoiler, who is harmful to himself and fellow-men, both in selling and advertising.

"As ye sow, so shall ye reap" is nowhere better exemplified than in the comparison of a community of cheap florists, and one worthy of prosperity and in which each is himself successful. It is just as possible to have each home in a town contain ten plants and have an educated love for them, as one plant in each fifth home with a shy acquaintance with nature's wares due to lack of interest in the seller himself.

The sale of potted plants, particularly in the larger flower centers, is a new channel which offers a great field for those willing to take a forward step and rise above the rose and can-nation farms so popular and indicative of the day. The wonderful features of the Boston National Flower Show in the potted plant line will no doubt be duplicated and surpassed in the coming New York Exhibition, and may be a proper incentive for the westerners in the art of plant production. It is highly essential that the prosperous retailer interest the public in the growing plant as well as in the short-lived cut flower. It is almost impossible to present the wondrous and changing beauty of the flower possibilities to the public without the elegant displays of roses, rhododendrons, azaleas, bougainvilleas, acacias, and particularly hydrangeas, cyclamen and the like.

A higher standard of salesmanship is an essential that must be reckoned with in all the retail stores. The great strides made by the dealers in accessories, such as baskets, ribbons, and supplies which outshine in many instances in a wholesale way those of the retailers themselves, are an instance of what first-class salesmanship (and to that it must be greatly attributed), may do. A clerk who is not able to sell quantities of goods at a fair price, is no more destructive than one who is shrewd enough to obtain more from a purchaser than he is really willing to spend. A first-class clerk, who has judgment, gaining the confidence of the patron and his employer, and who is able to arrange blossoms in a fine individual style, is a scarce article. There is and always will be room at the top for those climbing that way.

"Artisticness" is a leading factor in the disposition of flowers. To offer them for sale in unsightly masses at a low price is not sufficient. It is far better to sell a few flowers, well arranged, than many of them which in the end will detract, rather than aid the general love of flowers. Elegant window displays, taste in store and house decorations, promptness, fairness in dealing, progressiveness, constant energy and alertness are the

older virtues with which the striving store-man is ever face to face in his race to out-class his competitor and to dispose of his wares, 'striven equally hard for by his brother grower.

The general use of flowers is increasing far greater than the increase in population. This may be attributed to two factors—one that the masses live farther removed from Nature's beauty than formerly, thereby creating a general craving for it, and the other stronger one—the educational campaign of the retailers in the constant displaying and publicity of the flower business. Will it not be well then, to follow the trail which has been leading forward for many years?

Our age has not been blessed with miracles, and it has been and always will be impossible for the flower stores to dispose of undue masses of flowers brought forward by climatic conditions. It is however, possible for the retailer to watch the trend of the market so as to aid in the fullest possible extent the disposition of the largest numbers at the most favorable time.

It is unreasonable to expect that the erecting of greenhouses may proceed at the same enormous rate as in the last few years. It will be far better for the grower to produce more beautiful and varied varieties, and for the retailer in his mission to so install the love of flowers in the American hearts, that they will be found in the homes of all in uninterrupted beauty, fragrance and refinement.

WASHINGTON NOTES.

Several of the local firms have been holding chrysanthemum shows and their stores have been filled with admirers. Gude Bros. had their establishment decorated throughout with running vines, palms, ferns and plants. Large pedestals were topped with potted ferns and vines were placed over white screens to good effect. Among the chrysanthemums were some record breakers as regards size and the display included all the varieties now being shown in the local market. The greenhouse at the rear of the store was also elaborately decorated.

J. H. Small & Sons exhibition was the largest this firm has held in years and was marked by the exceptional beauty of the chrysanthemums. Their display of orchids and of many novelty roses was good.

Fred H. Kramer showed a large number of varieties from his Anacostia houses, set off by growing plants. Japanese lanterns were strung from the roof of the conservatory at the rear of the store. Mr. Kramer is at present holding a sale of ferns and palms in jardinières at reduced prices and of bulbs in decorated Japanese dishes.

NEW YORK NOTES.

P. Hamilton Goodsell of 200 Broadway has leased eleven acres of the Astor Estate at West Farms for growing nursery stock.

Colin Ogston, supt. of the Kimball Conservatories Rochester, claims to possess the first sport from an orchid in existence. This is from Cattleya Harrisonian and the color is pale yellow. Mr. Ogston has been making a visit to the nurseries in this vicinity during the past four days.



SUCCESSFUL FLORISTS

all over the country are using McCray Refrigerators. The circulation of air is so strong and steady that there can be no stagnation or dampness, so that your stock will always be fresh and fragrant. Furthermore the saving in ice will more than pay for the cost.

McCray Refrigerators

will lend attractiveness to your shop. Beautifully made and finished, they are lined with white enamel, opal glass, tile, mirrors or marble, as you desire. Write today for our catalog No. 72 which will give you ideas how to add to the attractiveness of your establishment.

McCRAY REFRIGERATOR CO.

Chicago Office, 55 Wabash Ave. 553 Lake St., Kendallville, Ind. New York Office, 31 West 42nd St

PHILADELPHIA NOTES.

M. Rice & Co. are exploiting an ingenious novelty in cape flower sprays, introduced by them this season, made of natural prepared ferns, tipped with natural colored cape flowers.

Kline & Pappas, at 50 North 15th street, have a nice little store, near Broad street station, and seem to be doing a thriving business. The new boulevard when completed will no doubt draw other flower stores to the vicinity.

Paul Berkowitz, of H. Bayersdorfer & Co., is on duty again after a week at home—severe attack of rheumatism. Captains of industry are quickly missed. What a glorious thing good health is! And how little we appreciate it until it flies the coop.

Gardenia foliage for making up wreaths, etc., is a new wrinkle in the local market. The high-toned stores have taken to this with avidity and are making it quite a feature. The glossy green leaves are very chaste and effective and give a touch of distinction to a bouquet or design not otherwise easily attainable.

Gaul's Flower Room had its formal opening on the 9th inst. Mr. Gaul is a Battles graduate and has secured an ideal location at 17 South 13th, opposite Wanamaker's. He comes from a school fertile in the art of advertising and we look for some hustle in that connection. Battles is one of the few who "know how." Your good store, and your good goods, and good prices, are no good—good as they all may be—unless you get the people there. That's the supreme test—which few survive to reach.

The new publicity committee of the Florists' Club met on the 11th inst. Seven members attended. Nothing definite was accomplished. Another call has been issued for Thursday, the 14th, when a fuller attendance is expected. This committee is up against a tough proposition. Everybody wants publicity, of course. The big ones want their own individuality kept sacred—and will pay the piper. The rank and file would like publicity, too—provided it does not cost them anything. But it hardly seems fair to ask

the big fellow to pay a share of his competitors' publicity bill—even if he is not so big. "Find a farden for yourself, puir body!"

A silver medal was awarded to Fire Flame, the new single rose exhibited by Robt. Scott & Son at the Fall Show of the Pennsylvania Horticultural Society. This is a unique and beautiful introduction and is one of the daintiest things in the bud stage. It is also beautiful when full open—with its five petals shining and alluring in its lighter colorings. It may not take as a single; but great as a bud. The color is unique.

Certificates of merit were given to two others of Messrs. Scott's introductions on the same occasion. They were Janet and Mrs. Forde. Janet is a new hybrid tea rose deep orange center with lighter reflex, the petals being gracefully and distinctly received. Mrs. Forde is also a new hybrid tea; in color a soft rose, with lighter shadings. Both are good size; distinct and beautiful; and we look for further developments as to the commercial merits of them both. Needless to say we have the utmost faith in the good judgment of Alexander Buchanan Scott in picking these from the hundreds of new seedlings clamoring for recognition.

John Stephenson's Sons deserve a word of praise for a splendid vase of Radiance, and John Welsh Young, not to be behind, came in with a fine showing of Maryland. These were only a few of the fine things on the second day of the Fall Show. Totty's Mrs. Shawyer, and Pierson's Milady were both given certificates of merit. The Mrs. Russell from Montgomery having been given a silver medal last year could but shine and stand pat. Heacock's Johnson sent in a great vase of Killarney from Roelofs.

Miss Burk and Herman Van Gloden gave us two wonderful miniature model gardens. The amount of work and ingenuity and imagination and care that must have gone into these is beyond compute. We trust the results in the uplift of the public mind to higher and better gardening will justify these strenuous endeavors. All honor to them. But wouldn't the same amount of genius and earnest effort tell better in other directions? This is not a criticism—only a thought. For instance, let them show the multi-

tude how to make a bare and uninteresting front or backyard look beautiful and artistic with a few well arranged plants, shrubs, etc., and green sod without nick nacks and alongside a sample of the neglected. That would be an object lesson that would mean something and bear good fruit. And that's what horticultural societies are for. Raree-shows can be found for a nickel anywhere and they are worth about one-millionth of that important coin. A horticultural society should keep clear of that stratum in human affairs.

Visitors: Philip Breitmeyer, Detroit, Mich.; J. A. Muller, Julius Roehrs Co., Rutherford, N. J.; J. H. Thomas, Bowers, Del.; C. B. Knickman, N. Y.; E. C. Marshall, Kenrett Sq., Pa.; Wallace R. Pierson, Cromwell, Conn.; Fred Burki, Pittsburgh, Pa.; James Brown, Coatesville, Pa.; W. H. Vance, Wilmington, Del.; John F. Horn, Allentown, Pa.

ST. LOUIS NOTES.

Leroy Smith, vice-president of the J. F. Ammann Co., at Edwardsville, made an announcement that he had been a married man since last July, having then married Miss Ida Epps at St. Charles, Mo. Mr. Smith will take up a residence at Edwardsville with his bride.

Robert Thomson, the local greenhouse builder, is building two houses, 30 x 100, for John T. Millegin at Crescent, Mo., where the latter has 1000 acres of land. Mr. Millegin says that if these are a success he will order a large range—perhaps 100,000 feet—and grow for the St. Louis market. John Himmer, Jr., has charge of the few small houses built some time ago for private use. Mr. Millegin is a gentleman with enormous capital.

Visitors: Oliver Crissman, Punxsutawney, Pa.; Arnold Ringier, representing W. W. Barnard Co., Chicago; F. J. Farey, representing M. Rice & Co., Philadelphia; F. J. McPherson, Litchfield, Ill.

Ellis McLean & Co. have opened a retail flower store at 1061 Linn street, Cincinnati, Ohio.

BEAUTIES

\$1.00—1.00 dozen. Special price in quantity.

Our growers have largely increased their planting of Beauties, and we expect to be strong on them all season. Our increase this year is the cut of 18,000 plants.

Boxwood Sprays

\$7.50 per 50 lb. case; 2 cases, \$14.00.
Fine Stock. Prompt Delivery.

Business Hours: 7 A. M.—8 P. M.

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner 12th and Race Sts., **PHILADELPHIA**

THE BEST LETTERS

FOR
FLORIST'S
USE

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THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST. BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

GEORGE B. HART

WHOLESALE FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

HOERBER BROS.

Wholesale Growers of
Cut Flowers

WE GROW BRIDES

Greenhouses at
Des Plaines, Ill.

162 N. Wabash Ave.

CHICAGO, ILL.

POEHLMANN BROS. CO.

Cut Flowers All the Year Round

33-35-37 RANDOLPH STREET,

Greenhouses, Morton Grove, Ill.

CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	CINCINNATI November 12	DETROIT November 4	BUFFALO November 12	PITT-BURGH November 12
Am. Beauty, Fancy and Special....	20.00 to 25.00	30.00 to 35.00	15.00 to 20.00	20.00 to 30.00
" " Extra.....	15.00 to 20.00	25.00 to 30.00	10.00 to 15.00	15.00 to 20.00
" " No. 1.....	10.00 to 15.00	15.00 to 20.00	6.00 to 10.00	8.00 to 12.00
" " Lower Grades.....	4.00 to 8.00	4.00 to 12.00	2.00 to 4.00	4.00 to 6.00
Killarney, Richmond, Maryland....	2.00 to 6.00	4.00 to 9.00	3.00 to 8.00	3.00 to 8.00
Bride, 'Maid.....	2.00 to 6.00	4.00 to 8.00	3.00 to 5.00	..... to
Hillingdon, Ward, Melody.....	2.00 to 8.00	4.00 to 10.00	4.00 to 7.00	3.00 to 8.00
Taft, Sunburst.....	2.00 to 8.00	4.00 to 8.00	3.00 to 5.00	3.00 to 8.00
Carnations.....	1.00 to 3.00	2.00 to 3.00	1.00 to 2.50	1.50 to 3.00
Cattleyas.....	..... to 50.00	..... to	40.00 to 50.00	40.00 to 50.00
Lilies, Longiflorum.....	8.00 to 10.00	..... to 15.00	10.00 to 12.00	8.00 to 10.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	..... to 4.00	3.00 to 4.00
Violets.....	.35 to .75	.50 to .75	..... to .50	.50 to .75
Chrysanthemums, Fancy.....	..... to 12.50	20.00 to 35.00	18.00 to 20.00	20.00 to 25.00
" Ordinary.....	2.00 to 8.00	5.00 to 15.00	6.00 to 12.00	6.00 to 15.00
Daisies.....	..... to .....	..... to .....	..... to 1.00	.50 to 1.00
Sweet Peas.....	..... to .35	..... to .....	.50 to .75	.50 to .75
Gardenias.....	..... to .....	..... to .....	..... to 25.00	25.00 to 40.00
Adiantum.....	..... to 1.00	1.00 to 1.50	.50 to 1.00	1.00 to 1.25
Smilax.....	10.00 to 12.50	..... to 15.00	..... to 15.00	..... to 15.00
Asparagus Plumous, Strings (100).....	35.00 to 40.00	15.00 to 25.00	40.00 to 60.00	15.00 to 50.00
" " & Spreng. (100 bchs.).....	20.00 to 25.00	15.00 to 25.00	25.00 to 35.00	15.00 to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

CHICAGO CARNATION COMPANY

A. T. PYFER, Manager

30 East Randolph Street,

CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, **CHICAGO**

DOUBLE WHITE KILLARNEY

The best White Rose on the market today. Quality now better than at any time since we began to handle it.

ALL KILLARNEYS, BOTH PINK AND WHITE

SPECIAL.....per 100 \$10.00 and \$12.00 **EXTRA**.....per 100 \$6.00
FANCY.....per 100 \$8.00 **FIRST**.....per 100 \$5.00
SECOND.....per 100 \$3.00

VALLEY: Special, \$4.00 per 100; **Extra**, \$3.00 per 100.

WHITE ORCHIDS: \$5.00 per doz., \$40.00 per 100.

GARDENIAS: Special, \$4.00 per doz. **Fancy**, \$3.00 per doz. **First**, \$2.00 per doz.

HEADQUARTERS FOR GREENS

WILD SMILAX: \$5.00 per case.
GREEN GALAX: \$1.50 per 1,000; \$7.50 per 10,000.
BRONZE GALAX: \$1.50 per 1,000.
LEUCOTHOE SPRAYS (green): \$1.50 per 100; \$7.50 per 1,000.
GREEN SHEET MOSS: \$3.50 per bag.
SPHAGNUM MOSS: Ten bbl. bales, nicely burlapped, each, \$4.00; 5 bale lots, \$3.75 each; 10 bale lots, \$3.50 each; 25 bale lots, \$3.25 each.
MEXICAN IVY: \$1.00 per 100; \$7.50 per 1,000.
BOXWOOD: 50 lb. cases each \$7.50

RIBBONS AND SUPPLIES: Many new patterns in exclusive Ribbons. Write us for prices on these and on Supplies.

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PHILADELPHIA, 1608-1620 Ludlow St.

NEW YORK, 117 W. 28th St.

WASHINGTON, 1216 H. St., N. W.

Flower Market Reports

(Continued on Page 651)

BOSTON In common with the rest of the country this market is suffering from the rapid accumulations consequent upon the chrysanthemum season, accentuated by the continued warm fall weather. Nothing is moving faster than the supply warrants and nothing is in demand that cannot be furnished in quantity at buyers' price. Quality is excellent on all varieties of roses and carnations, on violets, lilies, etc., and as to chrysanthemums there is no limit on quality or quantity, although it is a fact that the \$3.00 to \$8.00 grades are most easily unloaded. The retail trade is fairly good for the season and it is only the grower and wholesaler who has cause for complaint. It is just possible that the anxiety may shift on to other shoulders before the Thanksgiving holidays.

Not alone has the weather been bad but business on the same basis throughout the entire week except Saturday. The flower show had a tendency to keep away the buyers and speculators and stock of all kinds accumulated throughout the week. This was a week of chrysanthemums and in which a good many of the late varieties were brought in and when Golden Wedding, Maud Dean and Mrs. Jerome Jones varieties are seen we know that the height of the chrysanthemum season is at hand. Bonaffon, the well-known yellow, was seen in good quantity and quality also white and yellow Eaton, Golden Eagle, Mrs. Wilks and other varieties and prices were not of the best. There seems to be a heavy supply of singles this season, which do not move satisfactory though double yellow and button varieties have the best demand. There were plenty of roses, the bad weather checking to some extent, but the accumulation of the early part of the week caused prices to fall to low ebb. In the Beauty line the medium grades have taken better and the quality is excel-

WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON November 14	CHICAGO November 12	ST. LOUIS November 12	PHILA. November 5
Am. Beauty, Fancy and Special....	15.00 to 25.00	20.00 to 30.00	20.00 to 30.00	25.00 to 30.00
" " Extra	15.00 to 25.00	15.00 to 25.00	15.00 to 18.00	15.00 to 20.00
" " No. 1	6.00 to 8.00	10.00 to 15.00	10.00 to 12.50	10.00 to 12.00
" " Lower Grades	1.00 to 4.00	3.00 to 6.00	3.00 to 4.00	6.00 to 8.00
Killarney, Richmond, Maryland....	1.00 to 6.00	4.00 to 8.00	2.00 to 5.00	3.00 to 8.00
Bride, Maid	1.00 to 4.00	3.00 to 6.00	2.00 to 3.00	3.00 to 6.00
Hillingdon, Ward, Melody	1.00 to 6.00	4.00 to 8.00	3.00 to 6.00	3.00 to 6.00
Taft, Sunburst	1.00 to 6.00	3.00 to 8.00	3.00 to 6.00	3.00 to 10.00
Carnations	1.00 to 2.00	2.50 to 4.00	1.00 to 2.00	1.50 to 3.00
Cattleyas	35.00 to 40.00	35.00 to 50.00	50.00 to 60.00	25.00 to 40.00
Lilies, Longiflorum	6.00 to 8.00	8.00 to 10.00	12.00 to 15.00	8.00 to 12.00
Lily of the Valley	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Violets .....	.25 to .35	.40 to .75	.25 to .35	.35 to .75
Chrysanthemums, Fancy	12.00 to 25.00	12.00 to 25.00	15.00 to 20.00	15.00 to 25.00
" " Ordinary	4.00 to 5.00	5.00 to 10.00	5.00 to 12.00	8.00 to 10.00
Daisies .....	..... to 1.50	1.00 to 1.25	..... to .....	..... to
Sweet Peas .....	..... to .50	.50 to .75	..... to .....	.50 to .75
Gardenias	15.00 to 25.00	25.00 to 35.00	..... to	20.00 to 25.00
Adiantum .....	..... to 1.00	.75 to 1.00	1.00 to 1.25	1.00 to 1.50
Smilax	10.00 to 12.00	1.00 to 15.00	12.00 to 15.00	12.00 to 15.00
Asparagus Plumosus, Strings (roo) ..	..... to 50.00	40.00 to 60.00	35.00 to 50.00	35.00 to 50.00
" " & Spren. (roo Bchs.) ..	25.00 to 50.00	35.00 to 50.00	15.00 to 25.00	35.00 to 50.00

lent at present. Richmonds are becoming better and Wards and Sunburst are great favorites. Double White Killarney are only in short supply. Good giganteum lilies are scarce. A nice lot of mignonette is coming in, also sweet peas, pansies, violets and lily of the valley, the latter having exceptionally good call. Good carnations are not over plentiful.

CHICAGO The chrysanthemum season is at its height. There is an unusual number of pompons this year and this week is the first that there has been any more offered than could readily be sold. Prices on the whole are averaging up as well as in other years. American Beauties are in very good demand and quality is excellent. Roses are not keeping up so well. Ward and Sunburst are especially in demand, the latter being seen in extra high grade; both have proven popular here. Richmond is shortened up a bit, but there are enough generally. Carnations are quite scarce as they have been all the fall. Lilies are selling rather slow and the price has dropped. A few callas are appearing. Plant trade is beginning to settle down to the fall demand and there is a large variety of plants to be had. Very good specimens of Gloir de Lorraine and Cincinnati begonias and cyclamen are now seen, which to-

gether with the chrysanthemums lend color to the plant offerings. Peppers have been in good demand and the stock is not sufficient to meet the demand. It is evident that the department stores are going to be lively competitors for florists to contend with. Their trade seems to increase each week.

The general market conditions are nothing to brag of except as far as the quantity and quality of stock is concerned. The supply is large and the quality is, as a whole, very good. The demand is, however, not equal to the task. The good chrysanthemums have been finding a pretty steady market. The same, however, is not true of their smaller brethren, the pompons. The latter seem to be moving very slowly this year. The rose cut has shortened considerably and this fact has probably saved a glut. Carnations have, up to a few days previous to this writing, been selling nicely. Since that time they, too, seem to have struck a light slump. Other flowers have been cleaning up fairly well.

The wholesale market here is completely demoralized. With a continuation of the warm weather which has now joined hands with the

(Continued on page 651)

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Nov. 9 1912		First Half of Week beginning Nov. 11 1912	
American Beauty, Fancy and Special	15.00	to 25.00	20.00	to 30.00
" " Extra	10.00	to 20.00	8.00	to 12.00
" " No. 1	4.00	to 8.00	6.00	to 8.00
" " Lower Grades	1.00	to 3.00	1.00	to 3.00
Killarney, Richmond, Maryland .....	.50	to 4.00	1.00	to 5.00
Bride, Maid .....	.50	to 4.00	1.00	to 5.00
Hillingdon, Ward, Melody50	to 6.00	.50	to 6.00
Taft, Sunburst50	to 8.00	.50	to 8.00
Carnations50	to 1.50	.50	to 1.50

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Fine Quality of Brilliant Bronze and Green Galax, 40c. per 1000; \$3.00 per case of 10,000.

A-1 Dagger and Fancy Ferns, 75 cents per 1000.

Laurel Festooning, 4 cents per yard.

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All other Evergreens at lowest prices. Write, Wire or Telephone.

MILLINGTON FERN CO.

MILLINGTON, MASS.

Telegraph Station, New Salem, Mass. Unknown Customers—Cash with order or reference.

Flower Market Reports

(Continued from page 659)

Indian summer time, we have an avalanche of chrysanthemums such as this market has never before experienced. The wholesale business is in a deplorable state and it is not possible to quote any reliable prices, the market being in such a very unstable condition. Many growers have been trying to hold back for Thanksgiving, but the weather has vetoed this. Other stocks are quite as plentiful as chrysanthemums in proportion and the prices quoted on these are in like manner unreliable.

PHILADELPHIA Chrysanthemums are now in their full

glory. Splendid Bonnaffons are the leaders in yellow; and the three Chadwicks, white, yellow and pink, are in the front rank in their special class. Yellow and white Eatons are also conspicuous. Some of the varieties usual only for Thanksgiving have already been cropped. This has brought immense volumes of flowers to market for the week but withal the prices have held their own fairly well. In consequence of this unusually early cutting it is prophesied that Thanksgiving flowers will be scarcer than usual. Roses are fine stock all along the line. We have never seen finer Maryland at this season and the Killarneys are also magnificent. Beauties are still rather scarce and are higher in price. Indications point to increased production within the next week or so. Yellow roses are still going well, with Sunburst leading and Ward and Melody pulling right up. The cooler weather has shortened up the carnation crop, and the market on these is of the healthiest character; quality improving. Orchids are in fair supply with demand good. Violets plentiful and selling well. Sweet peas have

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Ample reference furnished as to standing and financial ability of the company.

123 MANSFIELD STREET, MONTREAL, P. Q.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Nov. 9 1912	First Half of Week beginning Nov. 11 1912
Cattleyas	15.00 to 35.00	15.00 to 35.00
Lilies, Longiflorum	2.00 to 4.00	2.00 to 3.00
Lily of the Valley	1.00 to 2.50	1.00 to 3.00
Violets .....	.15 to .35	.15 to .35
Chrysanthemums, Fancy	8.00 to 25.00	8.00 to 20.00
Ordinary	2.00 to 6.00	2.00 to 6.00
Daisies .....	..... to 2.00	..... to 2.00
Sweet Peas	1.00 to 2.00	1.00 to 2.00
Gardenias	10.00 to 25.00	16.00 to 20.00
Adiantum .....	..... to .50	..... to .50
Smilax	6.00 to 8.00	6.00 to 8.00
Asparagus Plumosus, strings (per 100) .....	..... to 25.00	..... to 20.00
& Spreng (100 bunches)	8.00 to 12.00	8.00 to 12.00

made their appearance and are fair for so early in the season.

The local florists are tumbling over themselves to get a few flowers of Fire Flame rose to present to their extra special customers. All of which is good business, and in line with the new publicity campaign which we hear so much about.

Few changes, only that

ST. LOUIS there are more chrysanthemums of the fancy grade. Business is not any too brisk. Most of the leading retail stores are making great chrysanthemum displays in their show windows and say there is very little call for anything else. Roses are very plentiful. Carnations are improving in quantity and quality. Violets were in big demand all during the week, with not too many coming in.

There is more stock in the market than is needed and as a whole business may be termed dull. Prices on all varieties are low. The large quantity of chrysanthemums that are now coming into the market are displacing all other flowers. Locally grown roses in many cases are exceptionally fine and violets are coming into the market in better shape. It is expected that the unrest caused throughout the government circles by the change in the ad-

ministration will tend to materially decrease the demand for cut flowers and this condition will continue until after Inauguration Day and until the employees are absolutely sure that no changes will be made for political reasons.

DURING RECESS.

Cook County Florists' Bowling League Scores, November 6, 1912.

Carnations.	Orchids.
Lorman, 142 148 98	Vilner... 132 93 96
L'b'm'n 144 149 143	Graff... 136 148 132
A'mstr'g 104 134 112	Cohen... 122 89 150
Brunke, 154 180 150	George... 150 138 125
A. Zech, 156 131 151	J. Zech, 157 155 155
Violets.	Roses.
A.H'b'n'r 187 159 127	Engles... 137 126 150
Jacobs... 138 134 198	Cassier... 108 132 127
Cole... 103 113 119	Krentz... 117 83 110
Schultz... 178 182 190	H. Cas'r 159 114 149
J. H'b'n'r 170 169 169	Goerisch 133 135 137

Attendance and interest are holding up to a remarkable degree, considering how busy florists are now.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

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Hardy Fancy Fern Our Specialty

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Asparagus plumosus nanus, 4-in., \$8.00 per 100; \$75.00 per 1000. Cash. A. B. Cronbaugh, Ada, Ohio.

Asparagus Sprengerei, 2 inch, \$2.00 per 100; \$18.00 per 1000. Cash please. Felsch Bros., Maywood, Ill.

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Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

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100,000 Berberis Thunbergii, from 6 in. to 2½ ft., and new seed of same; also Clematis paniculata, 1, 2 and 3-yr. old, and new seed. Get my prices. Benj. Connell, Florist, Merchantville, N. J.

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Bulbs of all descriptions. Write for prices. C. Keur & Sons, Hillegom, Holland.
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You can double your profits by stocking up with the new cannas. Be sure to get our list before you place your order. The Conard & Jones Company, West Grove, Penna.

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Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

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Chas. H. Totty, Madison, N. J.
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Chrysanthemum stock plants of Unaka and Smith's Advance, \$5.00 per 100; Chrysolora, best early yellow, 2-in. pots, \$6.00 per 100. Cash with order. Wm. Tricker, Arlington, N. J.

Stock Chrysanthemum plants, Golden Glow, Pacific Supreme, White and Yellow Bonnafton, also other kinds, \$3.00 per 100. Cash with order or will exchange for rooted geranium cuttings. Felsch Bros., Maywood, Ill.

CHRYSANTHEMUM, THE. By A. Herrington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 160 pages. Price 50 cents.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

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20th Century Plant Food Co., Beverly, Mass.
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Thomas Roland, Nahant, Mass.
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Bergenfield Nurseries, Bergenfield, N. J.
Cyclamen giganteum, fine 3-in., \$6.00; 4-in., \$12.00; 5-in., \$25.00 per 100. Fine plants in bud. Cash. C. L. Osborn, Sidney, Ohio.

Cyclamens, 3-inch pots, \$10.00 per 100; \$80.00 per 1000. Julius Roehrs Co., Rutherford, N. J.

CYRTOMIUM

R. G. Hanford, Norwalk, Conn.
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Dahlia—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

East Bridgewater Dahlia Gardens are the largest and most up-to-date in America. Over 850,000 field clumps to offer at right prices. Be sure and send your wants to I. K. Alexander, The Eastern Dahlia King, East Bridgewater, Mass.

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Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

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John Scott, Brooklyn, N. Y.
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Woodrow & Marketos, 41 West 28th St., New York.
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DOUBLE CLAW HAMMER

Double Claw Hammer Co., Brooklyn, N. Y.

DRACAENAS

Dracaena Indivisa, 2 inch, \$2.00 per 100 or \$18.00 per 1000. Cash please. Felsch Bros., Maywood, Ill.

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Wizard Brand Cattle Manure.

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Frank Oechslein, 4911 Quincy St., Chicago.
Ferns for Dishes.

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F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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Fern runners, fine stock Boston, Whitman, Amerpohl, Springfield, Ill. \$1.80 per 100, \$15.00 per 1000. Roosevelt runners, very fine, \$8.00 per 100, \$50.00 per 1000. Roosevelt, 4-inch, \$15.00 per 100, 5-inch, \$25.00 per 100. Asparagus Plumosus, 4-inch, handsome stock, \$8.00 per 100. 50,000 sq. ft. of glass at Cleveland, O., devoted exclusively to ferns. I have the best stock to be had anywhere. Prices are low, for cash only. Schneider, Florist, Springfield, O.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
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FLORISTS' SUPPLIES

N. F. McCarthy & Co., 112 Arch St.,
Boston.

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H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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S. S. Pennock-Meehan Co., Philadelphia,
Pa.
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H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.

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Welch Bros. Co., 226 Devonshire St.
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FLOWER POTS.

W. H. Ernest, 28th and M Sts.,
Washington, D. C.

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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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FOR EXCHANGE

To exchange for cash or violet clumps (Marie Louise preferred), mums, 200 stock plants, Pacific Supreme; 50 Smith's Advance, 5c. Fancy plants, transplanted, \$5.00 per 1,000. Pyrethrum, Kelway's Giant, single, hardy, mixed colors, clumps, 5c. Coleus, fine, mixed, \$5.00 per 1,000. Primula malacoides, Giant Baby, and Kewensis, a fine yellow, 2 in., 1½c. D. W. Leatherman, Anderson, Ind.

FORGET-ME-NOTS

Forget-me-nots from greenhouse grown seed, sure for Christmas; strong 2¼-in. plants, extra early, continuous bloomer, \$2.50 per 100; \$20.00 per 1000. Cash. B. B. Pohlmann, 645 Chapin, Rockford, Ill.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
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GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
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Kervan Co., New York.
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Millington Fern Co., Millington, Mass.
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GLADIOLUS

John Lewis Childs, Flowerfield, N. Y.
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A. Henderson & Co., Chicago, Ill.
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SURPLUS STOCK of standard varieties at bargain prices. Send for list of splendid novelties. Chamberlain & Gage, Groton, Mass.

GLASS

Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.
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Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.
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Parshelsky Bros., Inc., 215-217 Havermeyer
St., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
Boston.
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King Construction Co., N. Tonawanda, N. Y.
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Metropolitan Material Co., Brooklyn, N. Y.
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Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
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Frank Van Assche, Jersey City, N. J.
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Lord & Burnham Co.,
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S. Jacobs & Sons, Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

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Charles H. Dodd, Jersey City, N. J.
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Wm. H. Lutton, Jersey City, N. J.
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Metropolitan Material Co., Brooklyn, N. Y.
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Frank Van Assche, Jersey City, N. J.
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Pierson U-Bar Co., Madison Ave., New York.
Designer and Builder.

Hitchings & Co., 1170 Broadway, N. Y.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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Michigan Cut Flower Exchange,
38 and 40 Broadway, Detroit, Mich.
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Millington Fern Co., Millington, Mass.
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HARDY PERENNIALS

Palisades Nurseries, Sparkill, N. Y.

HEATING APPARATUS

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Chas. H. Dodd, Jersey City, N. J.
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Lord & Burnham Co.,
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Bay State Nurseries, No. Abington, Mass.
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E. S. Miller, Wading River, N. Y.
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P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Bobbink & Atkins, Rutherford, N. J.
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Palisade Nurseries, Sparkill, N. Y.

HOSE

H. A. Dreer, Philadelphia, Pa.

HOT-BED SASH

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Lord & Burnham Co., 1133 Broadway, N. Y.
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Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
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Lemon Oil Co., Baltimore, Md.
Standard Insecticide.
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Interstate Tobacco Co., New York, N. Y.
"Tip Top" Tobacco Powder.
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Benjamin Hammond, Fishkill-on-Hudson,
N. Y.

Slug Shot.

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Kentucky Tobacco Product Co.,
Louisville, Ky.
Nico-Fume.

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JAPANESE LILIES

Loechner & Co., New York, N. Y.
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LEMON OIL

Lemon Oil Co., Baltimore, Md.
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In writing to Advertisers kindly mention Horticulture

LILY BULBS

R. & J. Farquhar & Co., Boston, Mass.
New Lilies.
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Jas. Vick's Sons, Rochester, N. Y.
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R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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LILY OF THE VALLEY PIPS

Loechner & Co., New York, N. Y.
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August Rolker & Sons, 31 Barclay St., N. Y.
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McHutchison & Co., 17 Murray St., N. Y.
Berlin Valley Pips.
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LOBELIA CARDINALIS

Mt. Desert Nurseries, Bar Harbor, Me.
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MARGUERITES

Marguerite plants from 5½-inch pots,
best winter flowering variety; \$6.00 per
dozen plants. Peirce Bros., Waltham, Mass.

MASTICA

F. O. Pierce Co., New York, N. Y.
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Joseph Breck & Sons, Boston, Mass.
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MUSHROOM SPAWN

Weeber & Don, New York, N. Y.
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.
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NOVELTIES IN GLADIOLI

SURPLUS STOCK of standard varieties
at bargain prices. Send for list of splendid
novelties. Chamberlain & Gage, Groton,
Mass.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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W. & T. Smith Co., Geneva, N. Y.
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Hardy, Northern Grown Stock.
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Bobbink & Atkins, Rutherford, N. J.
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W. B. Whittier & Co., South Framingham,
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P. Hamilton Goodsell, New York, N. Y.
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August Rolker & Sons, 31 Barclay St., N. Y.
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Fursts' Nurseries, Brussels, Belgium.
Send for Catalogue.
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John Waterer & Sons, Ltd., Bagshot, Eng.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

SHRUBBERY

There are bargains to be had here in
such varieties as Spireas, Altheas, Weigelas
and Philadelphus, and this names only a
few. We have acres of shrubs, well grown
and ready for you. Write for price list.
The Conard & Jones Company, West Grove,
Penna.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
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Jullus Roehrs Co., Rutherford, N. J.
Hybrid Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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ORCHID GROWERS' MANUAL.

By B. S. Williams, 300 illustrations, 800
pages; descriptions of upwards of 2500
species and varieties of orchidaceous
plants, etc. The most complete work on
Orchids and Orchid Culture ever pub-
lished. Price \$10.00.
Orders filled by HORTICULTURE, 11
Hamilton Place, Boston.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Robert Craig Co., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

Peonies. The world's greatest collection,
1200 sorts. Send for list. C. Betscher,
Canal Dover, O.

PIPE HANGERS

King Construction Co., N. Tonawanda,
N. Y.
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PLANT AND BULB IMPORTS

August Rolker & Sons, New York, N. Y.
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McHutchison & Co., 17 Murray St., N. Y.
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PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises.
H. D. Seele & Sons, Elkhart, Ind.
Plant Trellises and Stakes. P. A. Angier
& Co., Westboro, Mass.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
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PIPE AND FITTINGS

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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIMULAS

Malachoides, strong 3½ in., ready for
5 in., \$7.00 per 100. Israel Quint, 125 Wal-
nut Ave., Roxbury, Mass.

Primroses, Chinese and Obconica, fine
large plants, 2½ inch, \$1.50 per 100; 3
inch, \$2.50 per 100. Hill Top Greenhouses,
Utica, N. Y.

PRIVET

Franklin Davis Nursery Co., Baltimore, Md.

California Privet, well grown, 2-year-old
plants, from 12 inches to 3 feet; well fin-
ished plants, well graded and well packed.
Also one and two-year-old Ampelopsis
Veitchii. For prices and particulars ad-
dress Charles Black, Hightstown, N. J.

RAFFIA

McHutchison & Co., 17 Murray St., N. Y.
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Everett B. Clark Seed Co., Milford, Conn.
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Peas, Beans, Radish and all Garden Seeds.
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- S. S. Skidelsky & Co., Philadelphia, Pa.
Cyclamen and Pansy Seed.
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- Brown Bag Filling Machine Co., Fitchburg, Mass.
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SPHAGNUM MOSS

- J. H. Sprague, Barnegat, N. J.
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- Sphagnum Moss, large bales. Green Moss in bbls. Laurel Bunches and Broken Laurel. James Day, Milford, N. H.
- Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPIREAS

- Breck-Robinson Nursery Co., Lexington, Mass.
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STOVE PLANTS

- Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

TIP TOP TOBACCO POWDER

- Interstate Tobacco Co., Inc., 1397-1399 Ave. A, New York, N. Y.
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- The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
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- Quaker City Machine Works, Richmond, Ind.
20th Century Arm.
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VINCAS

- Vinca Minor, or grave myrtle, a hardy evergreen trailing plant particularly adapted to covering graves. It is a beautiful dark green, thrives as well in dense shade as in the sun. I have thousands of well rooted outdoor grown plants and rooted runners, \$5.00 per 1000. Samples free by mail. C. M. Webb, Fayetteville, Tenn.

WIRED TOOTHPICKS

- W. J. Cowee, Berlin, N. Y.
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WIREWORK

- Reed & Keller, 122 W. 25th St., N. Y.
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- Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.
- William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

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- James McManus, 55 W. 28th St., New York.
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- W. F. Sheridan, 133 W. 28th St., New York.
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- Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.
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- Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
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- Charles Millang, 55 and 57 West 26th St.,
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- P. J. Smith, 49 West 28th St., N. Y.
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- W. P. Ford, New York.
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- A. L. Young & Co., New York, N. Y.
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TABLE CHRISTMAS TREES.

- Adolf Muller, Norristown, Pa.
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Little Ads Bring Big Returns

Little ads. in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

In writing to Advertisers kindly mention Horticulture

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS

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Providence, R. I.—The heavy blow of last Friday loosened the roof on the new house of Joseph Kopelman at Oaklawn, and only the timely discovery by the night watchman prevented considerable damage. The gale worked the bolts loose and threatened to lift it off bodily. Nearby neighbors were summoned and with the use of ropes the roof was fastened down until repairs could be made.

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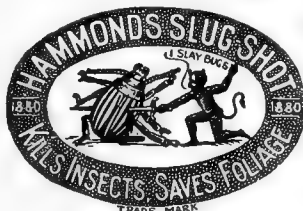
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You will need to buy something this winter—stock, supplies, equipment, etc., for store or greenhouse. Look through the Buyers' Directory and List of Advertisers in this paper and you'll probably find what you want listed there. We are proud of the fact that HORTICULTURE is recognized as the best paper of its class in this country in quality of reading matter and also of the fact that it is coming to be acknowledged as the best advertising medium. The best friends of HORTICULTURE are those who buy from HORTICULTURE'S advertisers whenever possible and, in corresponding with the dealers always take the trifling trouble to refer to the paper. We have many such friends, otherwise our advertising columns would soon be deserted. Don't forget to do your part.

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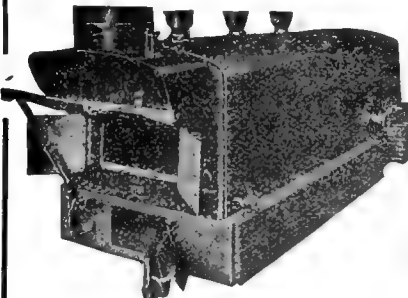
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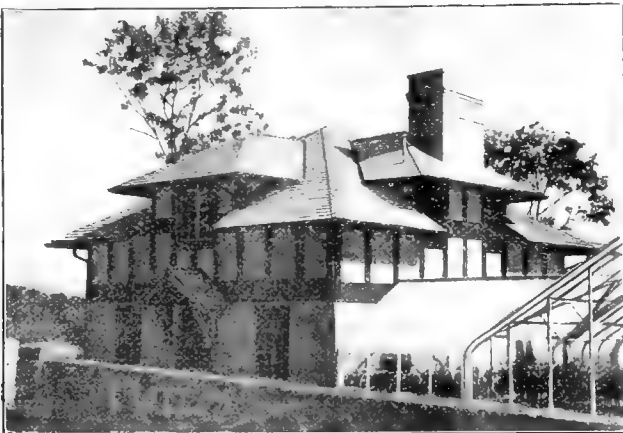
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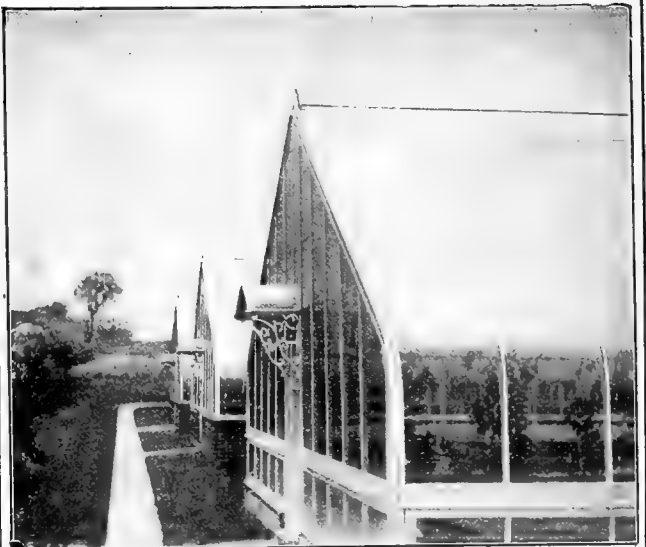
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HORTICULTURE

Vol. XVI.

NOVEMBER 23, 1912

No. 21



PRIZE WINNING GROUP AT BOSTON EXHIBITION

The accompanying illustration shows the first prize group of plants arranged for effect, covering 100 square feet at the Fall Show of the Massachusetts Horticultural Society. It was staged by William Thayer, gardener for Mrs. J. L. Gardner.

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THE edible bulbs produced in Japan are the Auratum, Platyphyllm and the Tigrinum chiefly, which are boiled and eaten like the common French artichoke. The Magnificum, Rubrum and Roseum are broken up and the scales dried, after which they are exported to China, for eating purposes. Formosa lily bulb scales are also soaked, and then made into a powdered starch, which is cooked and eaten in the shape of cookies, cakes and other goodies for everyone. So do not think that all bulbs are used solely for flowering purposes. Those which are used by the florist, however, must be of superior quality to those that are eaten. In all sorts of merchandise, in things to wear, in things to eat, or in things for the home, there are a few names denoting either maker or brand, which stand for quality. These names are isolated from a hundred inferior products, simply because they have been tested in the laboratory of public opinion and stamped with the seal of public approval. In the lily bulb line the name Horseshoe Brand is distinctive in itself, and denotes the best there is during the current season. You can safely buy that brand and be assured that you are getting the best that is possible to buy. There are none better and many not as good. Horseshoe Brand Cold Storage Giganteum is a good investment just now—and a good investment is always the best to speculate on. They are always an absolute necessity to a progressive florist. Write now.

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CHARLES H. TOTTY

MADISON, N. J.

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Cypripedium insigne

These orchids will now be showing well developed flower spikes and should be given a rather high bench or a shelf near the glass, so they can have all the light possible. Allow plenty of room between the plants so the air will have a chance to circulate between them. Damp down often enough so you will not have a harsh or dry atmosphere, but not to excess as too much atmospheric moisture is bound to be injurious to these orchids. The temperature from this out should be held at anywhere from 55 to 60 degrees at night with about ten degrees higher during the daytime with sunshine. Now that the solar heat is on the decline they will stand full sun without burning. While they like a liberal supply of water at the roots you should allow the compost to dry out occasionally so as to keep it sweet and give regular ventilation whenever possible. Keep a lookout for thrips and sponge occasionally to keep them in check. You should make it a rule to fumigate once a week.

Chrysanthemum Stock

Make it a point to visit some of the big exhibitions and growers of repute and get informed on the best and most valuable commercially in the early, mid-season and late varieties. There is nothing like taking good care of your stock right from the start. Place them in flats or boxes and see that they are accurately labeled. They can be kept in any frost-proof cold frame, or you can give them the coolest house you may have, placing them well up to the light. When you want them, give them a little more heat and they will send up large quantities of thrifty cuttings. Be very careful with watering; they will not need very much until February. From now on they can be kept in a temperature of about 40 degrees at night as you do not want them to grow very much.

Cocos Weddelliana

This is the palm of all palms for centers for fern dishes and when grown larger they become very graceful. Look over your stock and if you are short in this line place an order now and get ahead of the rush. These plants should be grown in a house where they can have plenty of atmospheric moisture at all times. To thrive the temperature of the house should run from 65 to 70 degrees at night, and in the day time it can run up to 78 or 80 degrees. Considerable care will have to be exercised in watering from this out. They like a nice, even amount of moisture at the roots. When watering is done without great care the plants will soon be showing yellowish foliage, which makes them stand almost stationary for weeks, and even if they finally resume a vigorous growth they rarely become a profitable plant. Where such accommodation can be given they should have at least a bench for their exclusive occu-

pancy, and still better a house for themselves. The one imperative thing in giving ventilation is to avoid all cold draughts from striking these palms.

Filling Boxes and Vases for Winter Effect

It has been customary for many years, especially in the larger cities, to have boxes filled with something green for the winter months. So now is the time to go around and drum up trade in this line, which is bound to become a very profitable side line with most florists. These boxes can be filled with boxwood, aucubas and small conifers, which will make a very attractive showing for stores, hotels and clubs. It is a good plan to make up some of these boxes and have them displayed properly so as to catch the public eye.

Herbaceous Border, Etc.

Now is a good time to give borders a good dressing of manure. The winter rains and snows will drive it down so that when the spring comes they will have something to feed upon. When the ground becomes frozen to a depth of 3 or 4 inches they can be given their winter's protection and there is nothing much better or handier than a protective covering of dry leaves held in place by some sticks or short brush placed here and there. All these borders are better for some winter protection, because the loss suffered by florists every year in stock usually styled hardy is enormous. Beds holding lilies of the species auratum, candidum, speciosum, etc., will need a surface covering of litter or manure, quite heavily spread. Beds of hardy bulbs such as hyacinths, narcissus, tulips, etc., will be benefited by a good layer of manure scattered evenly all over. It is always better to give this protection.

Lily of the Valley

In order to have a good batch of lily of the valley for Christmas get your cold storage pips planted any time before the first of December and they will come along all right. They will do well in a mixture of soil and sand and can be planted quite closely together, just having their tops even with the soil and their roots straight down. Place in a house where they can have a bottom heat of from 75 to 80 degrees, while the temperature of the house should be carried rather cool, say from 50 to 55 degrees. For the first ten days or two weeks the pips should be very heavily shaded, and then the shade should be gradually removed until they are standing full light. This will impart durability and a better texture to the bells. While forcing lily of the valley it is very important to keep them very moist—it might be said to keep them in a soaked condition all the time. When watering or spraying do it with water that is about 100 degrees of warmth. Give them several sprayings overhead daily until the bells are well formed, when it should cease. Where you want a succession plant about every three weeks during the winter.

Mr. Farrell's next notes will be on the following: Camellias; Care of Fuchsias; Daffodils for Early Forcing; Forcing Ixias; Hybrid Perpetual Roses for Easter; Sowing Candytuft.

LIBR
NEW
BOTAN
GARD

FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Watering Late Grapes

Vines still having a crop or part of it hanging must not be allowed to become too dry at the roots. Everything throughout the house appertains to dryness. To keep the berries in good shape, do not be afraid to give them a watering when the soil is "dry." A thorough examination should be made first, to ascertain the condition of the soil, as any water given when the vines are not in need of it will be a detriment to their welfare. Do not make the mistake so often made of giving them a little. There should be no half watering, if the soil is dry it needs a thorough soaking. Another thing, the dry surface will cause the water to stay on it for a time making one believe the soil has sufficient water already. Make an allowance for this and go over it a second time. Choose a fine bright day and get the job done between nine and twelve o'clock. A large house will be best done in sections to avoid the consequent excess of moisture which is injurious to the ripe fruit. Keep the pipes warm, with lots of air on after a watering. It will be advisable to look over your bunches a few days after watering to remove any berries which may have been affected by the unusual conditions.

Making a Vine Border

Making a vine border is a very important job as so much of future results depends on it, both the crops and the life of the vine. All vine roots must be under absolute control to do them right, so it is necessary to have a concrete bottom put underneath the border and have the side walls go down to it, so that the roots cannot get away. This bottom or floor should have a grade on it sloping to a drain to allow the water to pass away. Some floors are graded saucer shape and this answers the purpose, but I prefer the same grade right along the border from back to front and let the channel here fall to the drain. This makes it easier to water any section of the border without any fear of the water reaching roots other than those actually watered. The drainage is the next item and one which must not be neglected; a poorly drained border is never satisfactory. The best material for this is broken bricks. Throw them in as rough as possible,—any attempt to place them nullifies the effect to supply open drainage. At intervals of six or eight feet land draining pipes should run through the broken bricks; this makes sure of open passages direct to the drain. If the bricks are continually dumped from the barrows in one place and then transferred to their destination the small stuff which will accumulate at the bottom should be removed before covering it over with the sod. This sod should be the best green sod procurable and placed face downward over all the drainage ready to have the soil put on to it. The object of this is to keep the fine soil from going down into and blocking it up. Four feet of soil is enough to give young vines for a start and three feet as additions later so it will be necessary to either board or brick up the side at this distance. The object of only a small amount of soil to

grow in is to give them additions of new sweet soil later on when they need it. If all is filled in at once some must be wasted as the roots cannot utilize it all at once and it goes sour. Now the composition of the soil is a hard thing to put on paper, as soil varies so much. Real good loam will grow grapes without any additions. Poorer soil should be enriched with coarse bones crushed into half and one-inch sizes. If there is any tendency for it to go sour mix in some charcoal. Use it in large lumps just as it comes. Some heavy soils will need opening material; the brick used for the drainage broken down to pieces as large as one's fist will furnish this. Make the soil firm as it is filled in and keep it level when doing so. If a man is allowed to throw the soil in one place all the time and make a heap of it all the rough stuff will fall to the bottom, and when two heaps meet, a vertical seam of rough material will be made in the border, which will cause it to dry out irregularly. Do not try to make up a border when the soil is wet.

The Melon Houses

At this season of the year the growth made by melon plants will be much weaker than in the spring and summer. Opinions differ as to the right method to treat top growth of melons. Giving them their "head" or letting the young growths grow on will cause more root action but I cannot say it makes larger fruits in the summer time. At this season, however, with a weaker action all round it is advisable to let the growth remain until there is a danger of overcrowding. Cover all the trellis with good foliage and always have a few growths growing away unchecked. Watch the bed carefully for water and make allowance for it drying out underneath from the fire heat. Growing houses will need very careful ventilation through the cold weather, any great influx of cold, frosty air will cause mildew and other trouble. Try and give the house a little fresh air each day, if only half an inch during the noon hour.

Spinach

This has been a good fall for this vegetable to last outside and save the supply growing under glass, which has also made good growth. Look through the rows occasionally and remove any yellow leaves, keep the surface soil cultivated and after the plants have fairly good roots give them a little wood ashes and later some stimulant in the form of manure. Be sure and keep this from the leaves as they burn very easily.

Mushrooms

New beds can be made providing a suitable place is available to cure the manure in. This requires to be frost proof and rain proof. Watering a mushroom bed is a last resource we know, yet it pays when a bed is apparently played out, often bringing a crop which would otherwise be lost without it. This crop can be timed to come in from two to three weeks after watering. Use water having a temperature of 70 degrees F., applying it in such a manner as not to flood the bed, but gradually soaking it in. Half watering is to be avoided here as elsewhere.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Cutting

Now that the cool weather is here to stay, all roses can be allowed to remain on the plants a little longer, allowing the buds to become much larger. You do not have to let them open any more than is necessary but they can swell to nearly twice the size of the ordinary tight cut bud. Of course on places where stuff has to be held quite some time or where only a little is cut and shipped two or three times a week things have to be done differently, but on a place shipping every day there is little excuse for having buds cut so tight that they will not open for a week.

Tying

Never neglect keeping the roses tied up properly, for there is nothing in it. It is a shame the way stuff is allowed to lie around at times, there always being one excuse or another advanced, but when it comes to cold facts, there is really no excuse at all. Beauties are the first to feel this neglect, and generally do not hesitate in showing it either. Keep them tied fast to the wires. It does them no good to have their heads bumped against the glass. Bend them down and avoid this.

Right here you can get a little point, although many "experts" laugh at the idea; we always try to bend all the wood towards the west, finding just a wee bit of difference in the setting of buds.

Syringing

Do not neglect this by any means, or you may have a chance to regret it before the season is half over. Be careful, however, not to take too big chances with the weather. Then be careful not to drown the roses by syringing carelessly. Always aim to syringe so as to throw the water into the next walk and not on the bench as is done by many. Another thing to be careful of, is not to have the plants too dry before syringing, or you will scald the foliage badly. The Beauties seem to be a little more hardy, while the Killarneys are just the reverse, being very sensitive in this respect.

Green Fly

This is so rare with us that we have almost forgotten that such a pest would consider the sweet sap of the

roses palatable to his particular taste. There are many excellent preparations on the market for exterminating this pest, should Mr. G. Fly and his kin think of playing havoc with the contents of a nice greenhouse. They seldom bother those wide-awake chaps giving preference to the more easy-going ones. So do not let this Mr. G. Fly catch you napping.

Black Spot

Repeatedly we have given hints on the prevention of this disease, yet it seems only few take heed, and soon it is too late, for a bad dose of spot has wrought havoc with the foliage of the plants, the lower branches being almost devoid of leaves. This condition, however, is brought on by the grower himself so he should not complain of "hard luck" and all the rest of it, but should hustle around and try and save what foliage there remains on the plants. Pick off all leaves which show signs of spot and burn them. Do not do as many do, just simply throwing them outside the potting shed door and letting them remain there. That to say the least, is unsanitary. A good spray of ammoniacal carbonate (copper), will also help to keep spot from spreading. Then try to keep a dry, fresh, sweet atmosphere in the house, using plenty of dry, air-slacked lime, blowing it around underneath the plants every evening. Also do not do any syringing unless it is absolutely necessary; then only a light quick syringe should be given. Try to coax the plants to grow by giving them a little liquid every now and then. Do not mulch the plants as it would be much more difficult to make them grow. After a good growth starts then apply a light mulch with some good bonemeal, the latter being applied first.

Tobacco Stems

We would never recommend burning tobacco stems in rose houses, to rid same of greenfly and other pests that try to make the grower's life miserable. Much damage can be done this way, and with all the simple remedies now in market I cannot see why growers should bother with this old-fashioned way of doing. We even do not like to see them strewn in the walks and under the benches, as is the custom of many. They are all right in their place but we find they keep the air unnecessarily damp.

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Horticulture

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HORTICULTURE

VOL. XVI

NOVEMBER 23, 1912

NO. 21

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 232.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

Per inch, 30 inches to page..... \$1.00

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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A privilege we should have

During the past week the French Chrysanthemum Society's exhibition has been in progress at Nantes. At the conference, which was part of the affair, many papers and discussions were on the program and the list of entertainments provided for visitors fully matched up to the most ambitious of our own S. A. F. convention festivities, for these Frenchmen do know how to make their guests enjoy themselves. We would call attention to one feature in which they get the better of us—that of cheap transportation, for all members of the Society can travel from any part of France to the show by any class at a half-rate fare. In this country, instead of advancing we have been going backwards in that respect, until now no inducements whatever are offered to such gatherings and the attendance at meetings, exhibitions and conventions has sustained a severe set-back.

No Christmas green famine

It is very evident from the tone of consternation in the daily press and in the market comments one hears, since the announcement of the embargo to be placed on Christmas greens shipped from the section where gypsy and brown-tail moths have been found, that the situation is not well understood and that wrong inferences are being drawn. Let it be borne in mind that the quarantined territory is a comparatively small section of New England and does not include the territory from which the greater part of the trees and almost all the laurel are cut. Further there is no restriction upon the shipment to and fro between points in the quarantined territory nor upon shipments into this section from outside points. So that any attempt to boost prices of these holiday goods on a pretext of scarcity is liable to meet with a chilly fate. And there are not a few people who would view with satisfaction and delight any enactment that would have for its object the prohibition of all cutting or selling of mountain laurel within New England territory for the next twenty years. It is our most beautiful native shrub and one cannot but deplore the wanton destruction that has been going on with increasing rapidity each year.

An ominous outlook

We learn from our exchanges that the California State Commissioner of Horticulture has issued a quarantine order, under the approval of Acting Governor A. J. Wallace, against all vegetables, nursery stock, scions, grafts, buds, cuttings, orange seeds, trees, vines, plants and shrubs of all kinds from the states of North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana and Texas and other sections known to be affected with *Aloyrodes citi* (citrus white fly) or *Aloyrodes Nubifera* (another species of white fly.) The same authorities have also declared strict quarantine against shipments into California of alfalfa, alfalfa seed and colonies of bees from every county in the states of Utah, Wyoming and Idaho in an effort to prevent the advent into California of the pest known as *Phytonomus pesticus* (alfalfa weevil). While fully sympathizing with any community in its efforts to exclude pests dangerous to its agricultural and horticultural interests, we think we can see, in these constantly recurring interstate embargos, a gathering cloud for trouble in the near future. This habit of shutting out the products of sister states is liable to grow and the sentiment of retaliatory measures is a not impossible result. Who can say to what extent this new exercise of state rights will develop as a mischief maker? Surely there is need for great deliberation and wise counsel in the exercising of such far-reaching prerogatives.

INDIVIDUALITY A FACTOR IN THE ADVANCE OF HORTICULTURE.

A Paper by Richard Rothe, read before the Bar Harbor Horticultural Society, March Meeting.

"This forms a man's chief attribute,
And reason is to him assigned,
That what his hands may execute,
Within his heart, too, he should find,"

Thus wrote Friedrich von Schiller in his famous "Song of the Bell." The meaning of the sentences quoted leads to individuality; the working of each individual with hands and personal ingenuity for his own ends. The opportunities for the exertion of individuality in our age of manufacture by machine-craft have greatly diminished, the consequences of this state from the purely ethical standpoint being by no means extraordinary happy ones to mankind. We, therefore, have first of all good cause to congratulate ourselves upon the fact that our calling as practical horticulturists not only leaves ample freedom for personal thought, but also that success to a large extent depends on the skill and the intellect of the individual. A vocation taxing physical and mental faculties equally is wholesome, and the conditions for development of strong individualities are, indeed, from the very outset favorable. No two men are alike. Both have their strong points and appear weaker in others. Speaking in a general way, it is of importance for a young man to become in time aware of his individual trends and inclinations, and as far as they appear advantageous in horticultural pursuits, cultivate them. We all know the value of handicraft. The wizard in swift potting, the champion in quick and accurate budding and grafting, and the man with an eye for even grading, are in keen demand and command good pay. The founder of a business in monetary affairs, in planning and overseeing the technical part of his structures, in the decision on what to grow, to find a profitable market; the foreman of a large range, as experienced grower, capable of handling men, alert to sudden weather changes and ever watchful to produce quality and quantity at the lowest expense; the retailer in studying the possibilities of the market, in timely securing the best assortment of stock and in attracting and satisfying his customers; all these men, perhaps, well experienced in their respective lines are nevertheless almost daily confronted with new problems or incidents, necessitating immediate personal disposal. It is here where individual strength in judgment, foresight, calmness, presence of mind, timely action, tact, etc., is invaluable. We can to some extent acquire these qualities by training, still, superior to us is the party talented with individuality, providing this talent has been awakened and cultivated. The experienced craftsman will in many instances produce quality of standard plants, or cut flowers, eclipsing mediocrity, but he will very rarely discover or venture upon unknown avenues.

Mark Twain says, "The man with a new idea is a crank, until his idea succeeds." There are plenty of individualities airing new ideas which never can succeed. As cranks they prove boring, annoying; good-natured, they represent that class which the German calls "Originale." It is individuality non-productive, save that by freaks and whims it frequently

turns out to be an everlasting source of amusement. The negative, however, does not in the least reflect on the stimulating strength of individualism as a factor in all sound progress.

In no other horticultural branches is personal ingenuity esteemed and needed as in its purely artistic ones. The floral designer and decorator without individual taste and inventive power is not only a failure, but also frequently an obstacle in the path of advance. For the talented and gifted individuality there is hardly a richer field in which to work than floral designing. We have in most of our large cities certain artists whose creative originality is so telling that their work can be distinguished at sight. It bears a certain characteristic stamp of their personality extremely hard, if not impossible, to imitate. Such cases illustrate the individualism of the pathfinder, the educator, the refiner of public taste and the promoter of trade. Let us hope that the same tendency may grow and become a discernible feature of the achievements of landscape gardeners and garden architects. Garden designing as an art has been discussed in this country for over half a century, still the artistic opportunities the American garden offers today remain vaguely realized and, in practice, rarely exhausted. Less traveling on the well trodden road of conventionality and the more personal contriving, individual conception and independent thinking will soon elevate, especially our suburban gardens, to a higher artistic level and increase activity and business wonderfully.

Our country could never have become the leader among nations in the production of high quality roses and carnations under glass if it were not for the individualism of our veterans in the field. With no literature, no trade press, no market, they began working, devising and experimenting with nothing to rely on, but their own personal enterprise and intellect. The present generation well equipped with all expedients should keep this in mind. The opportunities of our calling, while in its infancy, were not even plainly in sight and, at all events, limited. Now they appear almost unlimited. Individual cunning and strife is more important in our day than it ever was before. The question before each of us is: Am I going to be led by a conventional herd-instinct to merely imitate, or have I a footing on something stronger? Am I to be only the receiver of the fruits of intellect and experience of my fellow craftsman, or do I possess that amount of individual resourcefulness to contribute toward the fund of knowledge of my profession and thus become a repaying giver?

The most progressive nations of the world, our country, Great Britain and Germany, firmly believe in individualism as one of their vital powers. Out of it cropped all that they have to show of greatness, in statesmanship, science, art, inventions and commercial and industrial enterprise. Gustav Freytag in his classic novel "Soll und Haben," written over half a century ago, gives the Germans a monumental pen-picture of a successful wholesale merchant. There is nothing sensational about it: no mushroom growth, no daring stock manipulations, but the struggles of a dauntless personality, who, as master of a large firm with interests all over the Euro-

pean continent, through prosperous and peaceful eras and turbulent periods of adversity, wins by perseverance and honest principles. An absolute king within his realm, calm, unassuming, big-hearted, still shrewd and having immovable will power based on individual conviction.

Some six or seven years ago I wished to call on a friend, who is director of a department of one of our largest incorporated horticultural firms and asked for an appointment. "Not tomorrow, Mr. Rothe. That is the day of our annual business meeting at our president's house and office. Review of the past year's campaign and planning for the coming season, you know." There was a certain undertone in his voice and a certain sparkling in his eyes that spoke volumes. A meeting of generals, at the intervals of great business battles, keeping millions rolling. A meeting of gentlemen and individualities of respect, and immense executive power, resourceful in device and imbued with that enthusiasm which is bound to conquer. Receivers of dividends, which no honest thinking mind can begrudge. On the other end of the line, busy young assistants plant-propagating, budding, hybridizing, packing, labelling, doing a hundred and one things, none among which should be done automatically, none where lethargy of thought can be tolerated. Are they going to cultivate their latent talents and gradually climb up the steep ladder of success, or, will they join the great army of discontented?

Hitherto I have chiefly dwelt on the commercial side of horticulture. In addition I wish to say that there is hardly a single private gardener in this country without some leeway for development and exertion of specific individual faculties. In many cases his liberties and facilities are even away ahead of those at the command of his commercial fellow-craftsman.

And now before I close this paper, let us step out of the professional sphere for a few minutes and take into consideration the vast army of amateur horticulturists with little gardens of their own. Does not here individuality mean everything as far as pleasure is concerned? Last spring I had started some flower beds, which were left in care of the lady who had ordered them, on her arrival. Some months later on seeing everything in bloom, looking gay and bright, I congratulated her on her success. "Thank you, but, oh, did it not keep us busy! We had to work like beavers all along." Upon expressing regret and the willingness to supply help, if wanted, she said: "Oh, no; you misunderstand me. Don't you know that it is one of my greatest pleasures to fuss with my flower beds?" Here we meet with individualism of purely idealistic type—horticultural activity as a source of happiness. The professional grower naturally looks at the flowers from an entirely different standpoint than the amateur. With the former, commercial value, perfection in shape and color, lasting quality in a cut state, etc., render the decision; the latter is simply enjoying beauty. To us gardening is simply a means of livelihood; to the amateur his flowers are objects near to his heart. Let it therefore be our steadfast aim to awaken and strengthen individualism among our garden owners.

CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The regular monthly meeting of the Gardeners' and Florists' Club of Boston was held in Horticultural Hall on November 19, at 8 p. m., with Vice-President Wm. J. Kennedy in the chair. During the regular routine of business the banquet committee reported a balance on hand which was voted into the entertainment fund. The landscape class committee reported progress but stated that as the old teachers could not be depended upon, new ones would have to be selected. Two names were proposed for membership and accepted: The following officers were nominated: For president, William J. Kennedy; vice-president, Herman Bartsch, Eber Holmes; secretary, William N. Craig; treasurer, Peter Fisher; executive committee, John Reid, William J. Patterson, F. E. Palmer, Henry Penn, Duncan Finlayson, A. K. Rogers, Robert S. Edgar, Charles Sander, Peter Miller, James L. Miller, John Slawson and William C. Rust. Professor E. A. White, of the Massachusetts Agricultural College, read a very interesting paper on "Education for the Gardener and Florist." This called forth some animated discussion, the gist of which was expression of strong support in the establishment of an extension school under the auspices of the club. A standing vote of thanks was extended to Prof. White. Lunch was partaken of and routine business then continued until late. The floral display at this meeting was not large but what was shown was of excellent quality. M. A. Patten showed a vase of Carnation Princess Dagmar. A well grown specimen plant of Begonia Winter Cheer, on which the flower lasted six weeks, was shown by W. Downs. W. W. Edgar Co. had an excellent display of small stock among which was a splendid standard heliotrope. A vase of Carnation Gloria was brought by Prof. White.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The monthly meeting of the Society was held at Glen Cove, L. I., on Nov. 13. There was a fine display of late flowering chrysanthemums, Wm. Turner, Wells' Late Pink and H. E. Converse being very fine. Prizes were offered for three white, three yellow and three pink and the winners were J. W. Everett, Henry Gaut and James McCarthy. F. Petrocchia received thanks of the society for new pink celery. H. Gaut was awarded cultural certificate for three flowers of the chrysanthemum H. E. Converse, collection of single chrysanthemums and for six blooms grown in six inch pots. H. S. Laden, of Glen Cove, was elected to honorable membership. Five new members were elected and four applications were received. Prizes are offered for three poinsettias, fifty violets and twenty-five carnations, mixed, at the next meeting.

JAMES MacDONALD, Cor. Sec.

RHODE ISLAND GARDENERS' FORM ASSOCIATION.

The Providence Market Gardeners' Association, comprising all of the leading gardeners in and about Providence, R. I., have formed an association, the object of which, according to the constitution is "for the betterment of the business conditions under which we are compelled to do our selling, and a promotion of closer relations between the consumer and producer." The new association held a meeting last week and elected the following officers: President, Harold F. Thompson of Attleboro; first vice-president, H. Evans West, Seekonk; second vice-president, F. L. Gardner, Swansea; secretary and treasurer, Everett C. Potter, Auburn; executive committee, Eugene Peck, Seekonk (chairman); George L. Tinkham, Warren; Cosmos D'Acchioli, Thornton; Thomas Boyle, Auburn; Gardner Keiley, Warwick.

The members of the Market Place committee are Horace W. Tinkham, Warren (chairman); Joshua Vose, Cranston, and C. H. Paterson, Seekonk. Legislative committee, Dexter E. Horton, Swansea; Everett C. Potter, Auburn; Gardner H. Keiley, Warwick. Social committee, Olney Green, Seekonk (chairman); H. B. Tinkham, Warren and Eugene Peck, Seekonk.

THE WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

The regular monthly meeting of the society was held in Greenwich on Friday, Nov. 15. One application for membership was received and six new members elected. A temporary report of the show was read, showing that financially it was a great success, and a hearty vote of thanks awarded to the manager and the exhibition committee. The following awards were made at our New Rochelle show:

To C. H. Totty, for new rose, Mrs. Geo. Shawyer, certificate of merit; Scott Bros., for carnation Wm. Eccles, certificate of merit, also hon. mention for collection of single mums; A. N. Pierson, Inc., for new rose Milady, certificate of merit; J. D. Cockcroft, for carnation Northport, certificate of merit; Anthon S. Peterson, for display of evergreens and potted plants, certificate of merit; Thos. Meehan & Sons, for collection of hardy pompons, special mention; George Melvin, for solanums, honorable mention; Geo. E. Baldwin Co., for display of orchid plants, certificate of merit.

YONKERS HORTICULTURAL SOCIETY.

There was a large attendance at the November meeting, held in Hollywood Inn, on Friday, the 15th. The principal business was the nomination of officers for 1913. The following were elected: President, W. H. Waite; vice-president, J. Canning; secretary, H. Nichols; treasurer, Wm. Wright; corresponding and financial secretary, W. Mills; executive committee, R. Rennison, S. Mahoney, R. Cochrane and Ernest Miller. It was decided to form a bowling club in connection with the society, and as soon as the committee can engage alleys the members will begin practice. The next meeting will be held on Dec. 6.

MASSACHUSETTS HORTICULTURAL SOCIETY.

There was a large attendance at the annual meeting of the Massachusetts Horticultural Society Nov. 16, with President Charles W. Parker in the chair.

William P. Rich presented the annual report which showed that appropriations for prizes and gratuities for the coming year amounted to \$7500. C. Harmon Payne of London was elected to corresponding membership. A number of amendments were voted upon.

The following officers were elected: John K. M. L. Farquhar, president; Richard M. Saltonstall, vice-president; William Downs, Arthur F. Estabrook, Nathaniel T. Kidder, Charles W. Parker, trustees for three years; Edward B. Wilder, trustee for one year; Harold I. Frost, Theophilus D. Hatfield, Henry S. Hunnewell, Herbert W. Rawson, William Sim, nominating committee.

The committee on gardens of the Massachusetts Horticultural Society announces the following list of awards made to gardens and estates visited during the current year:

For Garden of Spring flowering plants: 1st, Bayard Thayer, South Lancaster.

For Garden of Summer or Fall flowering plants: 1st, Mrs. Charles W. Parker, Marblehead; 2d, Col. Harry E. Converse, Marion.

For Garden or Collection of peonies: 1st, Wilton Lockwood, South Orleans.

For Garden or Collection of hardy roses: 1st, Col. H. E. Converse, Marion; 2d, Wilton Lockwood, South Orleans.

For Rock Garden: 1st, Charles W. Parker, Marblehead Neck.

For Fruit Garden: 1st, Col. H. E. Converse, Marion; 2d, C. W. Parker, Marblehead.

For Vegetable Garden: 1st, Col. H. E. Converse, Marion.

Special Awards—American Forestry Co., South Framingham: For nurseries of forest trees, Silver Medal. Andrew Gray Weeks: For estate at Marion, Silver Medal. Charles S. Eaton: For estate at Marblehead Neck, Silver Medal. R. & J. Farquhar & Co.: For collection of newly-introduced Chinese lilies, Honorable Mention. B. Hammond Tracy: For gladiolus gardens at Wenham, Honorable Mention.

WM. P. RICH, Secretary.

NATIONAL ASSOCIATION OF GARDENERS.

The annual meeting of the Association was held in the new Auditorium Hall, 81 Orange street, Newark, N. J., on the 19th inst., and it was the largest and most enthusiastic which has taken place, the members present numbering 129. The business of the meeting having been duly transacted, the chairman, Thomas Logan, introduced the speakers of the afternoon: Robert Craig of Philadelphia, Pa., who chose for his subject, "A Talk to Gardeners;" C. H. Totty, Madison, N. J., who spoke on the "International Flower Show of 1913;" and Professor Taubenhaus of the Delaware Agricultural College, Newark, Del., whose subject was, "Problems of Plant Diseases That Confront the Gardener." The speeches were highly interesting and were received with the greatest of attention and appreciation. Harry Bunyard was to have given a lecture

presenting his stereopticon views of the "International Show in London," but as time would not allow this the audience had unfortunately to be content with a view of the pictures alone, which were very beautiful, but would be more so if they were colored. About 120 members sat down to the banquet, after which speeches were the order and with Patrick O'Mara as toastmaster things went with a swing. The following gentlemen were the speakers: James Bell, Wm. Kleinheinz, Thos. Logan, Samuel Bacheller, John H. Dodds, C. H. Totty, F. W. Kelsey, Jos. Manda, Wm. H. Waite and M. C. Ebel. The arrangements were well attended to, for which Secretary Ebel deserves unstinted praise for his indefatigable energy and to Mr. Austin C. Saylor for his valuable assistance. The returns of the Bowling Tournament are not yet received as we go to press, and will be given in the next issue.

Officers were elected as follows:

President, W. H. Waite, of Samuel Untermeyer's Greystone Gardens, Yonkers, N. Y.; vice-president, A. J. Smith, Lake Geneva, Wis.; Secretary, Martin C. Ebel, Madison, N. J.; treasurer, James Stuart, Mamaronock, N. Y.; trustees, Wm. Kleinheinz, Alex. Mackenzie, Peter Duff, Wm. Duckham, John H. Dodds.

Following is a list of the awards:

Certificates to Traendly & Schenck, for Carnation Salmon Beauty; Wm. Reid, for Carnation Seedling No. 3; C. H. Totty, for Rose Mrs. George Shawyer; Waban Conservatories, for Rose Mrs. Charles Russell; H. Dreer, Inc., for new Fern Adiantum Farleyense Gloriosa; Traendly & Schenck, for Rose Lady Alice Stanley; Colonel Charles O'Fall, for Solanum capsicastrum Melvinii; Scott Bros., for Carnation Commodore; Jas. D. Cockerott, for Carnation Northport; W. A. Manda, for display of flowering and foliage plants, also for Fourcroya Watsonii and Polypodium Maudslayi. Special mention to Wm. Tricker for an interesting group of hardy plants, including Vinca minor aurea; Thomas Meehan & Sons, for collection of hardy berried plants; C. H. Totty, for Rose Sunburst and Carnation Northport.

Officers of the Arkansas Horticultural Society held a conference at Fort Smith, Ark., on Nov. 7, and completed arrangements for the coming annual convention to be held there Jan. 21-22. The premium list was revised and the total amount set aside for prizes was placed at \$1000.

NEW ROSE MILADY.



MILADY

This new claimant for the favor of the rose growing fraternity has already won many honors in the exhibition halls and promises to take high place among the standard florists' stock. It is rich dark red in color and is fragrant and long-keeping and a very abundant bloomer. Its habit of growth is well illustrated in the picture of a house full of it at the introducers, A. N. Pierson, Cromwell, Conn.

The forty-sixth annual meeting of the Minnesota State Horticultural society will be held December 3-6, in the assembly hall of the Minneapolis Court House. In connection with this gathering will be held the annual sessions of the Minnesota State Forestry Association, the Minnesota Rose Society, the Plant Breeders' Auxiliary and the Women's Auxiliary and the Beekeepers' Association. Speakers from these organizations will have parts in the program and a fruit display will be one of the features.



HOUSE OF MILADY

THE EXHIBITIONS

NATIONAL CHRYSANTHEMUM SOCIETY, ENGLAND.

The great annual Autumn fete and exhibition of this society was held on October 29, 30 and 31 at the Crystal Palace, Sydenham, and an excellent show it was in all respects as regards quality and competition, but to our mind it would have been more generally artistic had the show filled a little less space and the exhibits been arranged with more cohesion. But, as a French critic recently said, the difference between the English flower show and a French one is easily seen at a glance. The English exhibitor is an individualist, he cares nothing for the general aspect of the show so long as his particular lot is set up to his satisfaction. "Each man for himself and the devil take the hindmost" is his motto.

At this great show, which the N. C. S. has held in some place or other for 65 years consecutively, there are nowadays one or two salient features. They may be described as the trade groups, the competition in the big cut bloom classes, the artistic decorations. The trained specimen plants, once so important a part of the show, have disappeared altogether. On the continent, however, these form a most attractive feature of the shows, especially at Paris, where some of the growers produce many very attractive objects in trained plants.

But we are dealing with the N. C. S. show as it is. Norman Davis, a veteran grower and exhibitor, is awarded a large gold medal for a magnificent display about 85 ft. in length enclosed within a border of *Isolepis gracilis* and ferns.

On the other side H. J. Jones has arranged a similar group rivalling the

other in extent and in artistic display. A serpentine edging of crumpled crimson velvet with a border of adiantum, then a row of small blooms of Japs with huge vases in the rear, the whole mingled with autumn foliage, palms and other greenery justly entitled the exhibitor to the gold medal awarded.

W. Wells & Co., Ltd., set up a group on the ground level the same as the two preceding. A gold medal is awarded to them also. If anything this group seems to be fuller of color and the artistic design in which the charming shades of American oak and autumn foliage vie with the more brilliant colors of the flowers is one that attracts the greatest possible attention. Decoratives are well represented by what we call the "Cap" family, that is a series of varied sports from *Caprice du Printemps*, a most effective little Jap, probably well known in the states. Singles are numerous and in good form. Japs are a study and are staged in giant examples of all the best novelties. Specially fine are Wm. Turner, Queen Mary, H. E. Converse, Mrs. R. A. Witty, Mrs. R. Lusford, Mrs. C. H. Totty, Mrs. G. Lloyd Wigg, Mrs. G. C. Kelly, Mrs. Gilbert Drabble, varieties that will become historic.

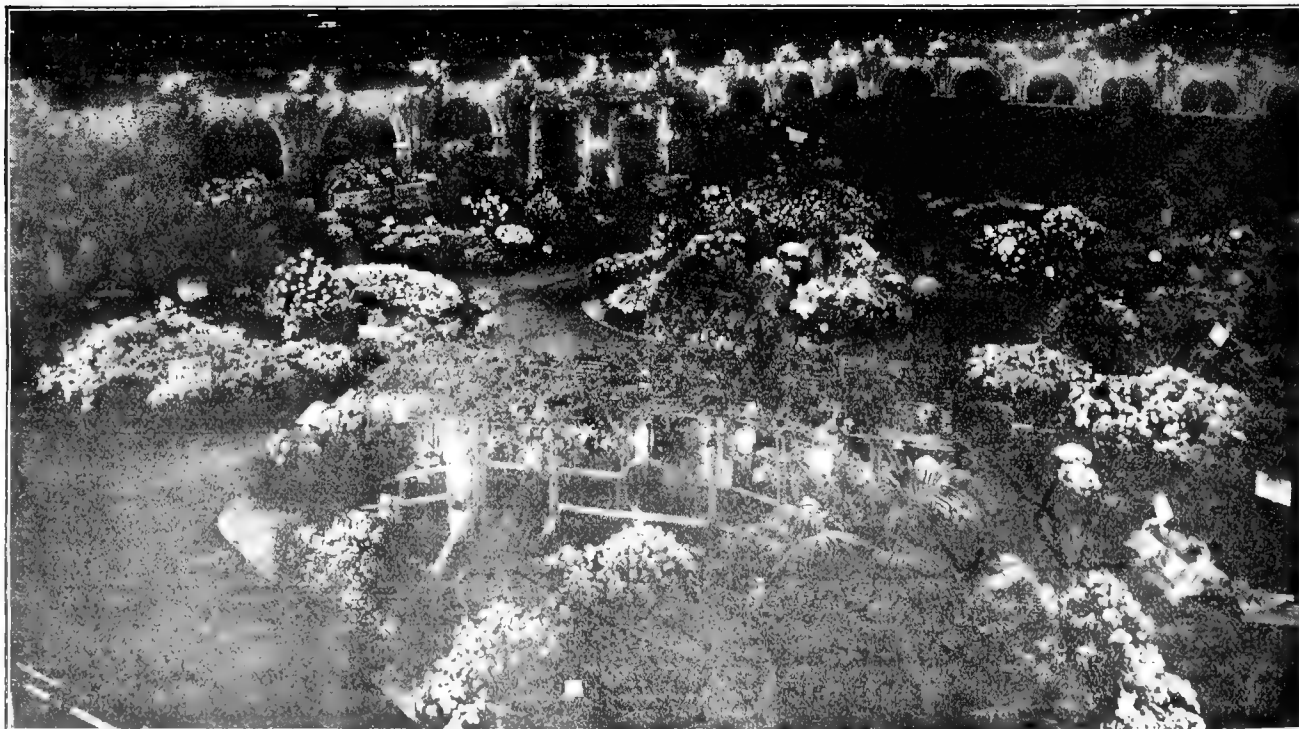
A small gold medal was awarded to John Peed & Son for a circular group of big Japs filled in with singles and decoratives. Wm. Howe won the first prize for a pretty miscellaneous group of chrysanthemums, ferns and foliage. Cragg, Harrison & Cragg staged a dwarf group of finely grown singles with a border of ferns in variety. A small gold medal was awarded. Henry Cannell & Sons (silver gilt medal) staged zonal pelargoniums and chrysanthemums, the brilliancy of the form-

er did not in any way detract from the latter which included some of the old anemone type, incurves, fine singles and Japs. The competitive classes were well filled. In the affiliated societies competition the Wulwich Society won the challenge shield. Thomas Stevenson was the champion in the big bloom classes. In one class Stevenson had to reckon with thirteen competitors.

All the other competitive classes were more or less well filled. For a dozen incurves G. Hunt was first with a fine collection of beautifully grown blooms.

Hobbies' Limited made a pleasing presentation of roses and collerette dahlias. Young & Co. staged carnations (silver medal). A very effective display of ferns came from H. B. May & Sons enlivened by the additions of *Begonia Gloire de Lorraine*, cyclamen and *Primula obconica*. There were several exhibits of tables of singles and a new feature was a class for cut blooms, a dozen, of large Japs arranged on a table with decorative ferns, foliage, etc. Some of these were prettily arranged and quite original in design.

The artistic floral decorations were by no means the least attraction of the show. In the dinner table decorations there were ten entries in the yellow and bronze colors only and in the same for any other color twelve competitors entered. There was quite a large show of bouquets, vases, baskets and other designs in the artistic section, attractive to the visitors and to the friends of the exhibitors but having no interest perhaps for the general reader. The luncheon was presided over by Mr. Thos. Bevan, who welcomed sev-



GENERAL VIEW OF ST. PAUL SHOW

Dreer's Cibotium Schiedei



We have over 20,000 square feet of glass devoted to this valuable decorative plant and can supply stock that will please you, both as to quality and price.

Splendid plants in 6 inch pots	\$1.50 each
Splendid plants in 8 inch tubs	2.50 each
Splendid plants in 10 inch tubs	\$3.50 to 5.00 each
Splendid plants in 12 inch tubs	\$6.00 to 10.00 each

MISCELLANEOUS FERNS

Nephrolepis Scottii.....	6 inch pots 50 cts. each
Nephrolepis Scholzei.....	6 inch pots 50 cts. each
Adiantum Farleyense.....	3 inch pots 25 cts. each
Adiantum Farleyense.....	5 inch pots 75 cts. each

Mixed Ferns for Dishes. All of the standard varieties, in good plants, from 2 1/4 inch pots, \$3.50 per 100; \$30.00 per 1000.

HENRY A. DREER, Inc., 714 Chestnut St., PHILADELPHIA, PA.

The above prices are intended for the trade only

eral visitors from abroad. Wm. Duckham of U. S. A. and Mr. Cos from South Africa responded.

C. HARMAN PAYNE.

OHIO HORTICULTURAL SOCIETY.

The first chrysanthemum show ever held in Cleveland, O., opened Nov. 14 at the Grays armory. The show was held under the auspices of the Ohio Horticultural Society, and continued Friday and Saturday.

The list of exhibitors included among others, Elmer D. Smith & Co.; A. N. Pierson; the Waban Rose Conservatories; E. C. Cockcroft, Charles H. Totty, W. H. Taylor, L. E. Holden, W. G. Mather and others.

Great interest was shown by Cleveland florists in their numerous entries in classes providing cut flowers and pot-grown plants of commercial value. The table decorations and bouquets caused keen competition, and commanded much interest among the visitors.

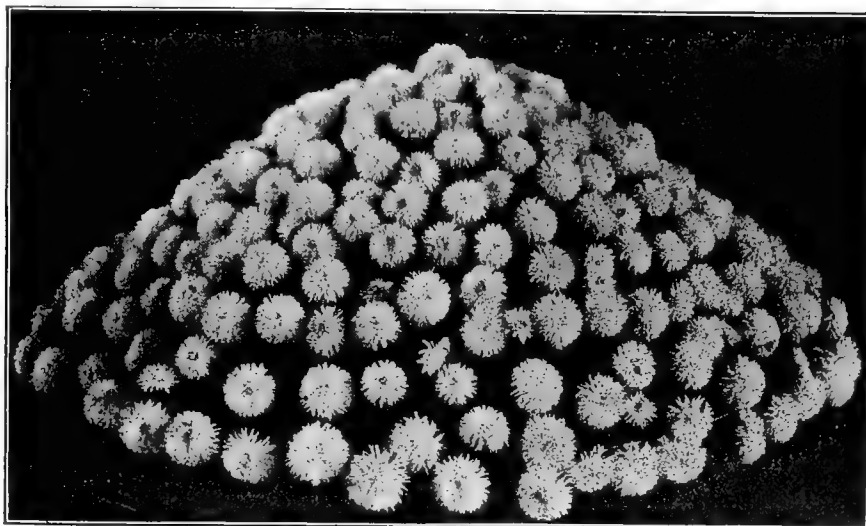
The armory was specially decorated for the occasion, plants being sent from the conservatories of W. G. Mather, A. F. Holden, L. E. Holden, the city's and other greenhouses.

CLUB AND SOCIETY NOTES.

The Chicago Florists' Club held a very successful banquet and dance in the crystal room of the Sherman Hotel, November 14th, a large number being present. The chairman of the committee in charge was Guy French of Poehlmann Bros., Morton Grove. The occasion added new impetus to the interest of the club.

The North Shore Horticultural Society, at its annual meeting, November 15th, elected the following officers: President, John Chapman; vice-president, Eric Wetterlow; clerk, James Salter; treasurer, John Jaffrey; librarian, Robert Mitchell; executive committee, William Swan, Joseph Clark, William Till, Alfred Parsons, Herbert

A GLEN COVE WINNER.



The accompanying illustration shows a specimen chrysanthemum plant, Lady Dydia, grown and exhibited by Robert Marshall, at the Glen Cove Show, where it took first prize.

Shaw. It was voted to hold a banquet, the date to be announced later.

The 46th annual meeting of the Minnesota State Horticultural Society will be held in the Court House, Minneapolis, Dec. 3-6, 1912. A number of other organizations are scheduled to meet at the same time. Banquet on Thursday evening, Dec. 5. A very extensive program of addresses has been prepared, mainly on topics of interest to fruit growers.

Regular meeting of Cincinnati Florists' Club was fairly well attended. Chas. H. Hoffmeister, A. C. Heckman, Jr., and Ray Murphy were appointed a committee of three to arrange for a banquet on the night of December 9th. The committee have selected the Bennett House at 8 P. M. Richard Vincent, Jr., will give a talk, illustrated

by lantern slides, on the London Flower Show last spring. After the business meeting the members sat down to an informal lunch and smoker.

At the last meeting of the Newport (R. I.) Horticultural Society a new variety of Jerusalem cherry (*solanum capicastrum*) was exhibited by George Melvin of South Framingham, Mass., who grew it and has named it Melvini. The Society awarded its gold medal to Mr. Melvin for his exhibit. A first-class certificate of merit was awarded to Mr. William Gray, gardener for Mrs. William B. Leeds, for an unusual variety of mushrooms. A committee of seven was appointed to meet a committee of the Garden Association to arrange plans for the June Flower Show, to be held under the auspices of the two organizations.

THE NEW GOLD MEDAL ROSE MRS. CHARLES RUSSELL

This Giant Forcing Rose is an American Seedling raised at the WABAN ROSE CONSERVATORIES, and has been tested in our houses for several years. It has proved to be a strong, vigorous grower, and its freedom of bloom is remarkable for a rose that is **FULLY AS LARGE AS AN AMERICAN BEAUTY.**

With its large pointed buds of a clear rose pink and delightfully sweet fragrance, it is the admiration of all who have seen it, either growing in our houses, or as exhibited by us at the different shows.

IT HAS RECEIVED HIGH HONORS when exhibited at such centres as Philadelphia, New York and Boston. At the latter place the Massachusetts Horticultural Society honored it with a **GOLD MEDAL**, a rare distinction from this conservative society.

Plants will be ready for delivery after March 1, 1913

OWN ROOTS:—\$30 per 100 ; \$250 per 1000 plants.

GRAFTED STOCK:—\$5 per 100 plants extra.

WABAN ROSE CONSERVATORIES NATICK, MASS.

BRITISH HORTICULTURE.

The Cult of the Chrysanthemum.

One noticeable feature of the show held by the National Chrysanthemum Society, at the Crystal Palace, on Oct. 29, '30 and 31, was the wide selection of varieties brought together. Some remarkable strides have been made since 1846, when the Stoke Newington Society—the parent of the National organization—held its first show. The number of new introductions which were exhibited fully indicated the increased attention which is being paid to the raising of novelties by home and continental growers. The show was very satisfactory as regards the number of entries and the high quality. For the admirers of the huge "mop headed" flowers, there were a number of new specimens of ample size to satisfy the requirements of the most exacting lover of this section. For instance, Queen Mary, a new Japanese, is a mass of snowy white petals of remarkable size, and was evidently at the top of the list as regards actual dimensions. Wells & Co., of Merstham, Surrey, received a first-class certificate for this bloom, and a gold medal for the group. William Turner, shown by the same firm, is another gigantic white of handsome proportions. A most complete collection was shown by Norman Davis, of Framfield, Sussex, embracing the best specimens of the various sections. This admirably arranged group well merited the large gold medal awarded. It was one of the chief attractions of the exhibition.

Some Further Novelties.

Mr. Davis also received a certificate

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS

A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and Descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

for a fine rich crimson Japanese, His Majesty. There were some choice novelties amongst the singles, including Sussex Yellow, of a tint its name indicates; Ideality, a pure white obtained from a cross between Mary Anderson and Mensa; Mrs. Loo Thomson, a primrose "sport" from Mensa; and Charles Kingsley, an excellent rich yellow bloom. Some sterling novelties were to be seen from the H. J. Jones' nurseries, Lewisham, London. Miss Elsie Davis is a massive globular flower of an amaranth tint, with silvery reverse. Frances Rows has reflexed florets of a pleasing shade of bronzy red on a yellow ground; Miss A. E. Roope resembles the well known variety, Boule d'Or, the long reflexing florets being of a rich golden yellow hue. Each of these varieties received a first-class certificate, in addition to the gold medal award to the group. A meritorious array of singles was contributed by Cragg, Harrison & Cragg, of Heston, Middlesex. Amongst the best were Celia, one of the choicest yellows; Mensa, white; Caddie Mason, bright crimson; Edith Pagram, pink; Mrs. Tresham Gilbey, yellow, and Merstham Gem, rosy crimson, with a yellow disc. Ivernina, shown by Stredwick & Sons, St. Leonards, Sussex, is a useful Japanese bloom, of a buff hue,

suffused with rosy bronze. Miss Thelma Hartman, an attractive exhibition bloom, is of a blush tint. This was sent by W. Jinks, of Thomas Ditton, Surrey. Sidney Lawrence, a bright amber single, was exhibited by L. Lawrence, of Shoreham, Kent, and Mrs. Gertie Ladds, by P. Ladds, Swanley, Kent, the latter being a chestnut crimson single.

Orchid Show.

The Royal Horticultural Society has entered on a new departure this season in holding an autumn orchid show. This event was successfully held in London on Nov. 5 and 6. The groups were very fine, the leading orchidists sending their most valued floral treasures. In the open class for a group the gold medal was secured by Charlesworth & Co., of Haywards Heath, Sussex. The epidendrum vitellinum were particularly good. Sander & Sons, St. Albans, Herts, also secured a gold medal for a splendid group, some very fine cattleyas, cyripediums and odontoglossums being included. Stuart Low & Co., of Bush Hill Park, Middlesex, showed to advantage some of their cattleyas and dendrobiums, which received a gold medal.

W. H. ADSETT.

ROSES

From 3-inch pots—strong, own root.

Lady Hillingdon, fine stock, Grafted, \$25.00 per 100; Own Root, \$15.00 per 100.

Double Pink Killarney, Radiance, Mrs. Taft, Mrs. Wardell, My Maryland, Harry Kirk, \$10.00 per 100.

Pink Killarney, White Killarney, Kaiserin Augusta Victoria, Richmond, Perle, Sunrise, Sunset, American Beauty, \$8.00 per 100.

Bride, Bridesmaid, Bon Silene, La France, Gruss an Teplitz, Clothilde Souper, Souvenir de Wootton, \$7.00 per 100; \$60.00 per 1000.

Grafted, 3-inch pots.

Mrs. Taft, Pink Killarney, Maryland, Mrs. Wardell, Kaiserin, Bride, Bridesmaid, \$15.00 per 100.

Wood Brothers
FISHKILL, N. Y.

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(NORWAY SPRUCE) 15 to 18 inches

\$3.00 per doz. \$15.00 per 100

bushy, nicely rooted, and a sure thing to sell.

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Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens and Roses.

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CHRYSANTHEMUMS for commercial growing. Pompons and Single Chrysanthemums.

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Our World's Choicest Nursery and Greenhouse Products for Florists

PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS PLANTS, EVERGREENS, ROSES, RHODODENDRONS, VINES AND CLIMBERS, AUTUMN BULBS AND ROOTS, CONIFERS, PINES

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Nurserymen and Florists Rutherford, N. J.

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APPLY TO

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For lists of best kinds, and also for other ornamental shrubs



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LARGE ASSORTMENT
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Bulbs for Forcing

BEDDING AND NATURALIZING. We have made arrangements with the leading growers to have our bulbs specially selected.

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BODDINGTON'S BULBS BLOOM

Important to our Customers When we buy HOLLAND BULBS we buy what is termed FLORISTS' STOCK, NOT SEED HOUSE STOCK. THERE IS A DIFFERENCE

REMEMBER YOU MAY DEDUCT 5 PER CENT IF CASH ACCOMPANIES ORDER

Preliminary offer of surplus bulbs. We have smaller quantities on hand of other varieties, (see our catalog) and write for special quotation.

HYACINTHS

Named varieties, our selection, White, Pink, Yellow, Light Blue, Dark Blue, Red.

Top roots.....	\$8.00 per 100
1st Size	6.50 per 100
2nd Size	4.75 per 100

DUTCH MINIATURE HYACINTHS

13 to 15 centimeters.....	1000
1500 Czar Peter. Light porcelain blue.....	\$18.00
1500 Grand Blanche. Pure white.....	17.50
1000 Grandeur a Merveille. Blush white.....	16.00
1500 King of Blues. Dark blue.....	18.00
1000 La Peyrouse. Porcelain blue.....	16.50

SINGLE NAMED TULIPS

1500 Couleur Ponceau. Rich cerise.....	7.50
5000 La Reine. White, slightly rose shaded.....	7.50
6000 Rosamundi Huikman. Bright pink.....	8.00
3500 Vermilion Brilliant. Brilliant scarlet.....	16.00
9000 Yellow Prince. Pure yellow.....	8.00
Prince of Austria. Orange vermilion.....	14.00
Sir Thomas Lipton. Brilliant scarlet.....	26.00
9000 Superfine Mixed. Single Tulips.....	7.00
Parrots Mixed.....	7.50

DOUBLE TULIPS

1000 Couronne d'Or. Yellow tinged with old gold....	16.75
5000 Murillo. Magnificent blush white.....	10.00
1000 Salvador Rosa. Deep rose.....	15.00
750 Titian. Double red.....	15.00
1000 Venerbook. Brilliant orange scarlet.....	16.75

MAY-FLOWERING TULIPS

1000 Bizarres	\$9.00
8000 Bouton d'Or	11.50
5000 Gesneriana macrophila	8.75
5000 Gesneriana spatulata or major.....	11.50
2000 Isabella, or Shandon Bells.....	9.00
5000 Maiden's Blush	10.00
1000 Boddington's Quality Superfine mixture May-flowering Tulips.....	7.50

VON SIONS and DOUBLE NARCISSI

5000 Von Sions, XX. Very large.....	1000
5000 Von Sions. Extra first size single nosed.....	\$20.50
3000 Von Sions. First size single nosed.....	16.00
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2000 Alba Plena odorata.....	10.00
2500 Orange Phoenix.....	6.50
2000 Sulphur Phoenix.....	9.00
5000 Mixed Choice Double Varieties.....	10.00
	8.00

SINGLE NARCISSUS TRUMPET VARIETIES

2000 Barrii Conspicuous.....	6.50
3000 Golden Spur. First size X.....	14.00
6000 Golden Spur. Mother bulbs XX.....	21.00
5000 Golden Spur. Extra mother bulbs XXX.....	24.00
5000 Princeps. First size X.....	7.00
8000 Princeps. Mother bulbs XX.....	8.50
5000 Choice Single Mixed Trumpets.....	9.00

NARCISSI, VARIOUS

1000 Incomparabilis Figaro.....	\$5.50
1000 Incomparabilis Stella	6.75
1500 Incomparabilis Cynosure	7.50
2000 Leedsii, Mrs. Langtry.....	6.00
1500 Leedsii, Queen of England.....	5.50
5000 Jonquils Rugulosus. Very fragrant.....	6.50

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"QUALITY BRAND."	
5000 Mammoth Bulbs. 1/2 to 3/4 in. in diameter.....	\$10.00
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SPANISH IRIS

6000 Alexander von Humboldt.....	3.50
6000 Blanche Fleur	3.50
8000 British Queen	3.50
3000 Cajanas	3.50
3000 Chrysolora	3.50
4000 ALLIUM Neapolitanum.....	4.50
700 LUTEUM	4.00
5000 CHIONODOXA Luciliae. First size.....	7.00
3000 CHIONODOXA Sardensis. First size.....	6.00
3000 CHIONODOXA Gigantea	7.50
15,000 SCILLA Sibirica or Praecox. Top roots.....	8.00
10,000 SCILLA Sibirica or Praecox. Large bulbs....	6.75

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GLADIOLUS

	Per 100	Per 1000
THE BRIDE.....	\$0.75	\$6.00
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PEACH BLOSSOM.....	1.10	9.00

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CHILDS' GLADIOLI

are noted the world over for

SUPERIOR MERIT

John Lewis Childs
FLOWERFIELD, L. I., N. Y.

Berlin Valley Pips

HIGH GRADE QUALITY

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\$15.00 per 1000 F.O.B. New York

Cash with order or
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AZALEAS, PALMS, RHODODENDRONS,
BAY TREES, ROSES, LILACS, HOLLAND
AND JAPAN BULBS, LILY OF THE
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I want to hear from the best seedsman in America who wants a bigger, broader, richer future than his present position or business holds.

This man is needed by one of the oldest seed businesses in America—a house with an enviable reputation, built up by fair dealing, consistent advertising, and honest seeds.

The business is big and steady; it is in a large eastern city, but its trade extends from coast to coast. It can be made much greater—it ought to be doubled. It is on the up-grade now.

For the man who can take hold and help put this seed business where it ought to be, there is an unusual opening. If he measures up to requirements, he will have an opportunity at once to acquire an interest in the business.

A man with capital—possibly a manager or a partner in another concern—is preferred. The business is paying and additional capital is not needed, but it is felt that an investment by the right man will cause more rapid growth.

This is a big thing, and I can give the details only in person. If you think you're the right man, write me fully, telling what you are doing, what you have done, and whether you would consider an investment after investigation had shown it advisable. Address me in confidence—no one else will see your letter without your permission.

JEFFERSON THOMAS

Vice-President and Manager, The McFarland Publicity Service

HARRISBURG, PA.

I know, too, of several good openings in the nursery trade, and invite letters from expert growers, shipping foremen, correspondents, etc. Tell in your first letter what you have done, to whom you can refer, and what salary you command.

ST. LOUIS FLORISTS' CLUB.

The members of the St. Louis Florists' Club met November 14th in the Odd Fellows' building. The meeting was well attended with all the officers present and President Fred H. Weber presided for the first time since his election. After the regular preliminary proceedings and reports of committees resolutions were read on the death of the late Charles E. Schoenle. Two candidates were elected to membership, and four applications were received.

There were four candidates for S. A. F. state vice-president for Eastern Missouri and Edwin Denker of St. Charles, won out. The treasurer's report showed a healthy balance on hand. Short talks were made by some of the visitors. Weber's Nursery showed a vase of a fine yellow chrysanthemum which according to the growers present was Dollie Dimple. The next meeting takes place December 12th.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Work of Committees.

Exhibited at Chicago, Ill., Nov. 2, by Elmer D. Smith & Co., Lucile Quinlan, yellow, com. scale 85 points.

Exhibited at Chicago, Ill., Nov. 9, by Wm. P. Longland, gard. to C. L. Hutchinson, Lake Geneva, N. Y., not named, flesh, large single, com. scale 85 points.

Exhibited at Chicago, Ill., Nov. 16, by Elmer D. Smith & Co., Mary E. Meyer, white, reflexed, com. scale 90 points. Golden Robin, yellow, reflexed, com. scale 89 points.

CHARLES W. JOHNSON, Sec.

CLUB AND SOCIETY NOTES.

The Alameda County (Calif.) Floral Society has been organized. J. M. Carroll, of Fruitvale, Calif., is secretary.

Trustees of the Worcester County (Mass.) Horticultural Society had their annual meeting in the library of Horticultural Hall, Nov. 13.

President Edward W. Breed, Clinton, presided at the meeting and committees were appointed and appropriations made for premiums for next year.

Twelve hundred dollars was appropriated for premiums for flowers, \$1000 for premiums for fruits, and \$650 for premiums on vegetables and \$300 for winter meetings. It was voted to have the children's exhibitions in July and August, the same as last year.

The Florists' and Gardeners' Club, of Rhode Island, held its annual meeting and election of officers in the club rooms, Monday evening, November 18th, with a good attendance present. Eugene A. Appleton was re-elected president. Other officers elected were as follows: Vice-president, Cornelius Hartstra; secretary, William E. Chappell; treasurer, James Hockey; librarian, James Dillon; executive committee, H. C. Neubrand, James Dillon and Cornelius Hartstra. Addresses setting forth the necessity of combined efforts of the florists in the interest of the industry were made by Michael Sweeney, William E. Chappell and Charles MacNair.

Seed Trade

Shortage of Crops.

The cucumber, musk and water melon, pumpkin and squash crops have turned out fairly well in most instances, but there will be a shortage of a few varieties, although nothing serious.

The early and late varieties of sweet corn are turning out very poorly, the early varieties being very short and light yields and the late varieties not having become well matured, so that a scarcity of early and late varieties of sweet corn is looked for. The medium early varieties have turned out somewhat better and it is believed there will be sufficient to go around of these varieties.

The field corn crops are making fairly good yields, but some of the larger kinds have not ripened up as they should and a hard cold spell may effect the germinating qualities. If we have some nice weather for the next month it will help all of the corn to quite a large extent. It is rather difficult to tell just how these crops will turn out prior to their being harvested and delivered.

Notes.

Whitesville, Mo.—A new seed house is being built by Thomas Slawson.

King City, Mo.—A seed cleaning and preparing house is to be erected here by Berryman & Maupin.

Jackson, Miss.—The Taylor Seed store is a new seed business started here of which the proprietors are S. J. Taylor and S. E. Taylor.

Nabb, Ind.—The Indiana Tomato Seed Co. has been incorporated here with a capital stock of \$15,000. The incorporators are J. N. Grant, H. E. Grant and E. V. Grant.

Cincinnati, Ohio.—The Rahe Seed Co. has been incorporated with a capital stock of \$5,000. Wm. J. Rahe, H. H. Peters, Alfred Peters, Wm. L. Miller and C. S. Shook are the incorporators.

New Albany, Ind.—The New Albany Seed and Implement Co. has been incorporated with a capital stock of \$5,000. Incorporators, Herman Brown, Sr., Louisa Brown and Henry Goetz.

GREENHOUSES BUILDING OR CONTEMPLATED.

Ganges, Mich.—Abner Miller, house 20x36.

Norwalk, Conn.—R. G. Hanford, addition.

Ogden, Utah—A. Laine, small bulb forcing house.

North Adams, Mass.—Rudolph Marshall, one house.

Westerly, R. I.—Conrad Schultz, 36 Beach street, several houses.

Worcester, Mass.—W. D. Ross, 84 West Boylston street, house 28x100.

Chicago, Ill.—Passett & Washburn, Gregg's station, twelve houses, each 28x225.

INCORPORATED.

Hollister, Cal.—San Benito Nursery, capital stock \$10,000.

To Correspondents and Advertisers: As Thursday next will be a holiday all copy and changes in advertisements should reach us by Wednesday.

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LILY OF THE VALLEY (Cold Storage.
Michell's Fancy } 250 500 1000
Giant Flowering } \$4.50 \$8.50 \$16.00
Hamburg Brand 4.00 7.50 14.00

LILUM GIGANTEUM (Michell's Special Brand, New Crop)

	Bulbs	Per	Per
	case	100	1000
6-8 inch.....	400	\$4.00	\$36.00
7-9 "	300	6.50	60.00
8-10 "	225	9.50	90.00
9-10 "	200	11.00	100.00
10-12 "	150	16.00	150.00

LILUM GIGANTEUM (Cold Storage, Special Price to make room)

	Bulbs	Per	Per
	case	100	1000
6-8 inch.....	350	\$16.75	\$45.00

LILUM MULTIFLORUM (Michell's Special Brand)

	Bulbs	Per	Per
	case	100	1000
6-8 inch.....	400	\$3.75	\$33.50
7-9 "	300	5.75	54.00
8-10 "	225	8.25	77.50
9-10 "	200	9.25	87.50

SHAMROCK SEED (True Irish) Trade pkt. 25c; 75c per oz.

VINCA SEED.
Alba, Alba Pura, Rosea. Price, each trade pkt., 15c.; 50c. per oz.; mixed, trade pkt., 15c.; 40c. per oz.

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518 Market St., Phila., Pa.

TOMATO SEED

BEST STOCKS. ALL VARIETIES.

The Haven Seed Co.

Growers for Wholesale Trade Only.
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POINSETTIAS 2 1-2 in. strong, \$5 per 100; \$45 per 1000
CYCLAMEN SEED the celebrated English strain, \$9 per 1000
PANSY SEED, home-grown, finest giant strain, \$5 per oz.
Send for Catalogue.

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CHOICE SEEDS

FOR PRESENT PLANTING

SHAMROCK, TRUE IRISH, PER OZ., \$1.00

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Contracts made for Seed Growing
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WHOLESALE FIELD AND GARDEN SEEDS

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BALTIMORE, MD.

PATENTS GRANTED.

1,044,260—Waterproof Flower Stem Protector. Emil Schloss, New York, N. Y.

1,044,374—Plant Setting Device. Henry Royle Glossop, Friday Harbor, Wash.

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Mat 120 bulbs \$7.20 Basket 30 bulbs \$2.00

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LILIES

Lilium Myriophyllum
Lilium Sargentiae

The bulbs of these magnificent new Lilies are now ready for delivery. For the best results next year, they should be planted at once.

Price \$1.50 each, \$15.00 per doz.

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Burpee's Seeds
PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
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FOR PROFIT.

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SWEET PEA SEED

For Fall Delivery

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

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Independence, Mo.

GARDEN SEED

BEET, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

S. D. WOODRUFF & SONS, 82 Day St., NEW YORK
and Orange, Conn.



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Gladiolus Peach Blossom

Per 500, \$5.00; Per 1000, \$9.00

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For Fall Planting

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Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan and Wisconsin **MILFORD, CONN.**

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Write for Samples
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FITCHBURG, MASS.

In ordering goods please add "I saw it
in HORTICULTURE."

T5



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We have one or two cases of Lilium Harrisii, particularly fine stock, still unsold.

Price per 100, 5-7 at \$3.50 and 6-7 at \$5.50. For prompt shipment.

J. M. THORBURN & CO.

110 years in business in New York City

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SPECIAL BULB PRICES

Single Named Hyacinths

Your Choice of Colors.

Second Size\$4.00 per C.
First Size 5.00 per C.
Exhibition Size 5.50 per C.
Unnamed Separate Colors... 2.00 per C.

Fair supply of all kinds of Tulips

To secure these prices mention this Paper.

James Vick's Sons
ROCHESTER, N. Y.
(The Flower City.)

NEW CROP
English Mushroom Spawn
JUST ARRIVED

\$8.00 per 100 POUNDS

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Seed Merchants and Growers,

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GET IT FROM

Oklahoma Seed Growers Co.

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**Artistic Designs . . .
High Grade Cut Blooms**

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The Largest Floral Establishment in the Metropolis
Best Service—Quick Delivery—Modest Prices
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We ship to all points in Illinois and Iowa.
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Kansas City, Mo.
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Member of the Florists' Telegraph Delivery.
All Orders Given Prompt and Careful Attention

The Park Floral Co.
J. A. VALENTINE
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Member Florists' Telegraph Delivery.
DENVER, COLORADO

**WILLIAM L. ROCK
FLOWER CO.**
Kansas City, Mo.
will carefully execute orders for Kansas City and any town in Missouri or Kansas.

GEORGE M. STUMPP
761 Fifth Ave., Cor. E 58th St.
NEW YORK CITY

"THE HOME OF FLOWERS"
The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.
HOLM & OLSON, Incorporated
ST. PAUL, MINN.

Of Interest to Retail Florists

Baltimore, Md.—Mark Walls, 231 South Broadway, retail florist, is succeeded by J. F. Knauss and C. H. Willheim.

Nyack, N. Y.—The Nyack Flower Shop on Main street will be given up and all business will be done from the greenhouses of R. C. Pye, the proprietor, on Third avenue.

Cleveland, Ohio—Wm. G. Naumann has purchased the interest of G. M. Naumann in the firm of G. M. Naumann & Son, florists, and will continue the business in his own name.

NEW FLOWER STORES.

Wheeling, W. Va.—James M. Bishop.
Brooklyn, N. Y.—R. Shannon & Son, Flatbush avenue, near Dorchester road. J. Weir Hartley, Church avenue, Flatbush.

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Allan.
Numidian, Boston-Glasgow...Dec. 5
American.
Philadelph'a, N. Y.-S'hampton, Nov. 30
Atlantic Transport.
Minnehaha, N. Y.-London...Nov. 30
Cunard.
Mauretania, N. Y.-Liverpool...Nov. 27
Franconia, N. Y.-Mediter'n...Nov. 28
Ivernia, Boston-Liverpool...Nov. 30
Hamburg-American.
Amerika, N. Y.-Hamburg...Nov. 28
Patricia, N. Y.-Hamburg...Nov. 30
Pres. Grant, N. Y.-Hamburg...Dec. 7
Holland-America.
Rotterdam, N. Y.-Rotterdam...Nov. 26
Potsdam, N. Y.-Rotterdam...Dec. 3
Leyland.
Cestrian, Boston-Liverpool...Nov. 30
Bohemian, Boston-Liverpool...Dec. 7
North German Lloyd.
K. W. der Gr'sse, N. Y.-B'm'n...Nov. 26
G. Washington, N. Y.-B'm'n...Nov. 30
P'nzess Irene, N. Y.-Medit'r'n...Dec. 7
Red Star.
Lapland, N. Y.-Antwerp...Nov. 27
Kroonland, N. Y.-Antwerp...Dec. 4
White Star.
Cedric, N. Y.-Liverpool...Nov. 28
Olympic, N. Y.-S'hampton...Nov. 30
Adriatic, N. Y.-Medit'r'n...Nov. 30
Cymric, Boston-Liverpool...Dec. 3
Celtic, N. Y.-Liverpool...Dec. 5

FIRE RECORD.

Boston, Mass.—Fire damaged the building in which Max Fine, florist, occupies the first floor, on Nov. 12, doing damage of about \$2000.

Providence, R. I.—The greenhouse of Arthur P. Kupfer, 234 Potter avenue, was considerably damaged by fire on November 14. Cause, an overheated stove.

Minot, N. D.—The weight of snow on the roof of a 30x150 foot greenhouse of George V. Valker, 306 South Main street, caused it to collapse and ruin the stock of carnations and chrysanthemums.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

*Cost of Cabling Foreign Deliveries
Must be Prepaid*

Reference or cash must accompany all orders from unknown correspondents.

Cable Address, ALEXCONNELL.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City
Or OUT-GOING STEAMERS

Write or telegraph
2139-2141 Broadway, New York
Telephone 1552-1553 Columbus

YOUNG & NUGENT

42 West 28 St., NEW YORK
"FLOWERS BY TELEGRAPH"

Wilson
**BROOKLYN
NEW YORK**
3 & 5 Greene Ave.
Tel. 6800 Prospect
339-347 Greene Ave. Tel. 3908 Prospect

THE ROSERY

76 MAIDEN LANE
ALBANY, N. Y.
FLOWER DELIVERIES FOR ALBANY
AND VICINITY

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER
11 NORTH PEARL STREET, ALBANY, N. Y.

Hatcher
Estab. 1877
LEADING FLORIST
Amsterdam, N. Y. Schenectady, N. Y.
Established 1874

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City
(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardspier.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.
Members Florists' Telegraph Asso.

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.
Member Florists' Telegraph Delivery.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston
and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

BOSTON'S BEST
In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, BOSTON.

CARBONE

Member Florists' Telegraph Delivery
342 Boylston St., Boston

Vases, Garden Furniture, Art Goods and
New Designs in Tuscan Baskets for
Florists' Use, in Wholesale Department.

H. F. A. Lange

WORCESTER, - MASS.

Deliveries to all Points in New England.
125,000 square feet of glass.

FOR NEWPORT

Narragansett Pier and All Other Rhode
Island Points

Transfer Your Orders to

GIBSON BROTHERS

36 WASHINGTON SQUARE, - - - NEWPORT, R. I.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 306. Long Dist. Bell Phone 2189
Members Florists Telegraph Delivery

Flower Deliveries In

ROCHESTER, N. Y.

Salter Bros

38 MAIN STREET, WEST.

The California Florist

JULIUS EPPSTEIN — FRANK H. FORREST

244 - 346 Geary Street, SAN FRANCISCO,
and Hotel St. Francis, CAL.

We cover the entire Pacific Coast and West
of the Rockies. Wire us your orders for
all Steamers sailing for Honolulu, Manila
and the Orient. Regular Trade Discount

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

Pelicano, Rossi & Co.

123 KEARNY ST.

The Far-Famed Flowers of

TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - - TORONTO, ONT.

Of Interest to Retail Florists

OLD-FASHIONED PHILADELPHIA
BOUQUET.

The London Flower Shop of Phila-
delphia sent us the photograph which
we have here reproduced. It shows a
type of hand bouquet fashionable in



the olden time and occasionally called
for now. It contained 100 Killarney
buds, 24 lily of the valley and green
with a real lace holder and tied with
light blue chiffon with satin edge.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 78 Maiden
Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Ed. MacMulkin, 194 Boylston St.
Boston—Penn. the Florist, 37-43 Brom-
field St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Phillip L. Carbone, 342 Boylston
St.

Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912
Grand Ave.

BOSTON, MASS.

Penn the Florist

"Penn. The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET

TRANSFER

Your orders for flower or plant de-
livery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston



WASHINGTON,
D. C.

GUDE'S

Member Florists'
Telegraph Delivery.

Chicago.

A. LANGE,

25 E. MADISON ST.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

WASHINGTON

915 F ST. N. W.

F. H. KRAMER

Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work First Class

Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Wash-
ington Sq.

New York—George M. Stumpp, 761 Fifth
Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St.
and Madison Ave.

New York—Alfred T. Bunyard, 413 Madi-
son Ave.

New York—Bloomington's.

Providence, R. I.—T. J. Johnston & Co.,
171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main
St., West.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

San Francisco, Cal.—The California
Florist, 344-346 Geary St.

San Francisco, Cal.—Pelicano, Rossi &
Co., 123 Kearny St.

Schenectady, N. Y.—J. C. Hatcher.

St. Paul—Holm & Olsen, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Wellesley, Mass.—Talby.

Worcester, Mass.—H. F. A. Lange.

BE READY WITH YOUR RED

The Christmas season is only four weeks away. Be ready with your red. BAYERSDORFER—"the Florists' Supply House of America"—is, as heretofore, leading the procession.

BAYERSDORFER HAS MORE RED

of every description, than all the rest of them put together.

Europe, Asia, Africa and America

Contribute to the enormous stocks of this world embracing house. The Brains, Talent and Genius of the whole world is gathered in the immense wholesale emporium of BAYERSDORFER—right here in Philadelphia, ready for distribution to the wide-awake florists of America. Most of these offerings to be had from no other source—of the same quality, variety and value.

RED IMMORTELE WREATHS

RED and GREEN FOREST WREATHS

Magnificent stock.
Elegant and artistic.

RED CYCAS

We are the only house that can furnish this New Red Beauty.

THE HEATHER IS ON FIRE!

RED HEATHER

RED Adiantum
RED Beech Sprays
RED Immortelle Sprays
RED Holly Sprays

These four items must be seen to be appreciated. Sell like hot cakes. The holly is perfect and everlasting. Far superior to natural.

RED Crepe and Pleated Paper

RED Mats
RED Statice

Last but not least Don't forget.

All kinds of
RED BASKETS

Send for Catalogue

H. BAYERSDORFER & CO.

THE FLORISTS' SUPPLY HOUSE OF AMERICA

1129 ARCH STREET - - - PHILADELPHIA, PA.

Obituary.

Arthur Harbison.

Arthur Harbison, florist, of Harrodsburg, Ky., died on November 11. He was born in Shelbyville, Ky., and moved to Harrodsburg about six years ago. He leaves a wife and two children.

J. F. C. Ludemann.

J. F. C. Ludemann, who for nearly fifty years conducted the Pacific nurseries, in San Francisco, Calif., died on October 31, after a long illness. He commenced in the early sixties and carried on the business until old age caused him to give up active work. One son and a daughter survive him.

George F. Ditzenberger.

About six weeks ago George F. Ditzenberger, proprietor of the Woodcliff Floral Co., Woodcliff Lake, N. J., received an injury, by falling, which resulted in his death on Nov. 11. He was thirty-three years of age and founded the Woodcliff Floral Co. about eight years ago. He is survived by his wife and one daughter.

Walter S. Nichol.

On November 12, Walter S. Nichol, florist, of Barrington, Conn., died as the result of a shock received two weeks before. He was a native of England, coming to this country when five years of age. About twenty years ago he moved to Barrington where he

was in the florist business for many years. Three daughters survive him.

Harry C. Phillips.

While on a visit to Chillicothe, O., Harry C. Phillips, president of the Phillips Nursery Co., 16 State street, Rochester, N. Y., was suddenly stricken with heart disease and died on Nov. 3. He was born in London, Ont., Canada, 69 years ago, and went to Rochester about fifty years ago. For many years he was with James Vick's Sons.

WASHINGTON NOTES.

The flower show held last week by Gude Bros. Co. was notable for many things; for the many people well-known in public life who attended it and for the novelties introduced.

O. A. C. Oehmler took advantage of the football fever which raged here last Saturday and had 500 eight-inch pennants attached to large chrysanthemums which he sold at from 75 cents to \$1 each.

The Florists' Exchange has moved from 1213 I street, N. W., to the building formerly occupied by them at 1214 H street, N. W., which place has undergone extensive improvements. The usual display window has been done away with at this store and in its place a sheet of glass extends from the door frame to the wall. Aside from a small amount of space at the rear occupied by the office the entire first floor is given over to the display of palms and ferns and for the distribution of goods.

Visitors: George C. Watson, of Philadelphia, and S. S. Skidelsky, Jr., of New York.

PHILADELPHIA NOTES.

Frank Polites, the Chestnut street florist, has returned from a four months' sojourn in Europe.

Lots of grip going the rounds these days, nearly everybody has a touch of it. Albert Cartledge, Jr., of Pennock Bros., is one among the many sufferers. He was laid up for over a week.

E. H. Flood, burgomaster and glass manufacturer, is absent from our midst these days, being on a beneficent mission to supply the denizens of Pittsburgh and Memphis with bargains in the brittle. We wish him luck.

That the florists of today are up to the minute was amply demonstrated by one of the leading florists of Savannah, Ga., who wired B. Eschner, of M. Rice & Co., Saturday, making an appointment to purchase a complete wedding outfit—arriving in Philadelphia Sunday at 4 A. M., making his selections and leaving same day on the 3 P. M. train. Covering 1600 miles is surely going some.

Visitors: John Wolf, Savannah, Ga.; W. B. Girvin, Leola, Pa.; Mr. and Mrs. Guille, Portsmouth, Va.; Chas. Vorkeller, S. Bethlehem, Pa.; Patrick O'Mara, Peter Henderson & Co., M. B. Faxon, New York City; Antoine Leuthy, Roslindale, Mass.

The Rhode Island State College was well represented at the meeting of Agricultural Colleges and Experiment Stations held this week at Atlanta, Ga. The delegates from Rhode Island were President Howard Edwards, Dr. Homer J. Wheeler, Dr. B. L. Hartwell and Prof. A. E. Stene.

For The Finest Grades
Of Cut Flowers All The Time Send To
MOORE, HENTZ & NASH

Wholesale Commission Florists

55 and 57 West 26th Street, New York, N. Y.

Telephone 756 Mad. Sq.

FRANK L. MOORE, Chatham, N. J.

HENRY HENTZ, Madison, N. J.

JON'N NASH, New York

No Out of Town Orders Filled as Our City Trade Will Absorb All Our Cuts

**THANKSGIVING
WOODROW & MARKETOS**

WHOLESALE PLANTSMEN AND FLORISTS

41 WEST 28TH STREET, NEW YORK

Telephone 3860 Madison Square

We are stocked to the limit with choicest **Palms, Ferns, Araucarias, Blooming Plants, Decorative Kentias, Boxwood Novelties**—everything the retail Florist needs. This is our banner year. Let us celebrate **THANKSGIVING** together, and to make your holiday a happy one book your orders with us early. There will not be a plant unsold on Thanksgiving Eve.

ORDER NOW!

CHICAGO NOTES.

Club politics are as usual a subject of interest at this time.

Retail florists never had their stores more prettily decorated than now.

C. M. Dickinson is recovering from an attack of blood poisoning and recuperating generally at Pelican Lake, for a week.

Announcements are out for the first grand reception and dance to be given by the Cook County Florists' Association, December 4th, at Bush Temple.

There will be no bowling by the Cook County Florists' League, November 27th on account of Thanksgiving rush, nor on the two following weeks.

Chrysanthemum season is still considered out of the ordinary this year and on the whole will be shorter than usual. The early varieties were late and now the late varieties are coming on early, making a decidedly briefer period in which to gather in the harvest of dollars.

Christmas goods are already making their appearance on the streets. Great piles of lycopodium are reminders that the holidays are but a few weeks off.

The market in this popular green is opening up. The quality is unusually good as the result of the continued rains in the north woods, a condition which has had the opposite result upon sphagnum moss.

Chicago dealers are having a new experience this year in the handling of bulbs. Never before in the history of the market have dealers sold out so closely, a condition brought about by the unusual demand as a result of the numbers frozen last winter, hyacinths, crocuses and daffodils in particular, but also tulips to some extent. Darwin tulips were in special demand.

Visitors: Theodore Wirth, superintendent of parks, Minneapolis, Minn.; John Stuppe, of Stuppe Floral Co., St. Joseph, Mo.

DURING RECESS.

Cook County Florists' Bowling League, November 13, 1912.

CARNATIONS.

Lerman, 136 118 163
L'Orman, 175 144 180
Armstrong, 127 93 137
Brinke, 127 133 151
A. Zech, 92 138 154

ORCHIDS.

Krause, 131 153 125
Lazaroff, 89 166 148
Cohen, 137 111 109
George, 147 140 144
J. Zech, 211 146 124

VIOLETS.

A. H. B'r, 166 128 168
Jacobs, 137 157 124
Cole, 166 169 146
Schultz, 138 162 152
J. Huebner, 195

ROSES.

Go'risch, 152 131 118
Cassier, 135 189 196
Johnson, 154 167 187
Price, 132 188 155
Fischer, 160 175 165

CINCINNATI NOTES.

L. H. Kyck was the first to offer pansies this fall.

B. P. Critchell is doing jury service on the local grand jury.

C. E. Critchell has rented for his holiday goods business the premises at 19 E. Third avenue. The present sales and storerooms are already filled to overflowing with the large assorted stock he is carrying.

Visitors: Ellis Woodworth, Louisville, Ky.; J. T. Herdigen, Aurora, Ind.; J. W. Rogers, Dayton, Ohio; and Miss Lodder, Hamilton, Ohio.

NEWS NOTES.

Rockford, Ill.—Leake & Offord, 1010 Corbet street, have sold their greenhouse to W. C. Burroughs.

Coeur d'Alene, Idaho—M. C. Louis, of Aberdeen, Wash., has purchased a half interest in the greenhouse business of Adolph Donnart.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of refrigerator you wish to use the refrigerator, also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
553 Lake Street, Kendallville, Ind.

Mention Horticulture when you write.

BEAUTIES

\$1.00—4.00 dozen. Special price in quantity.

Our growers have largely increased their planting of Beauties, and we expect to be strong on them all season. Our increase this year is the cut of 18,000 plants.

Boxwood Sprays

\$7.50 per 50 lb. case; 2 cases, \$14.00.
Fine Stock. Prompt Delivery.

Business Hours: 7 A. M.—8 P. M.

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner 12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR
FLORIST'S
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST. BOSTON
N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

GEORGE B. HART

WHOLESALE FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati.

HOERBER BROS.

Wholesale Growers of
Cut Flowers

WE GROW BRIDES

Greenhouses at
Des Plaines, Ill.

162 N. Wabash Ave.
CHICAGO, ILL.

POEHLMANN BROS. CO.

Cut Flowers All the Year Round

33-35-37 RANDOLPH STREET,

Greenhouses, Morton Grove, Ill.

CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	CINCINNATI November 12	DETROIT November 4	BUFFALO November 19	PITTSBURGH November 19
Am. Beauty, Fancy and Special....	20.00 to 25.00	30.00 to 35.00	20.00 to 35.00	20.00 to 30.00
" " Extra.....	15.00 to 20.00	25.00 to 30.00	15.00 to 20.00	15.00 to 18.00
" " No. 1.....	10.00 to 15.00	15.00 to 25.00	10.00 to 12.00	8.00 to 12.00
" " Lower Grades.....	4.00 to 8.00	4.00 to 12.00	3.00 to 5.00	4.00 to 6.00
Killarney, Richmond, Maryland...	2.00 to 6.00	4.00 to 9.00	3.00 to 8.00	3.00 to 8.00
Bride, 'Maid.....	2.00 to 6.00	4.00 to 8.00	3.00 to 6.00	..... to
Hillingdon, Ward, Melody.....	2.00 to 8.00	4.00 to 10.00	3.00 to 8.00	3.00 to 8.00
Taft, Sunburst.....	2.00 to 8.00	4.00 to 8.00	3.00 to 7.00	3.00 to 8.00
Carnations.....	1.00 to 3.00	2.00 to 3.00	1.00 to 2.50	1.50 to 3.00
Cattleyas.....	..... to 50.00	..... to	50.00 to 60.00	40.00 to 50.00
Lilies, Longiflorum.....	8.00 to 10.00	..... to 15.00	10.00 to 12.00	8.00 to 10.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Violets.....	.35 to .75	.50 to .75	.60 to .75	.50 to .75
Chrysanthemums, Fancy.....	12.50 to 15.00	10.00 to 15.00	15.00 to 20.00	20.00 to 25.00
" " Ordinary.....	2.00 to 8.00	5.00 to 15.00	6.00 to 12.00	6.00 to 15.00
Daisies.....	..... to .....	..... to .....	..... to 1.25	.50 to 1.00
Sweet Peas.....	..... to .35	..... to .....	.60 to .75	.50 to .75
Gardenias.....	..... to .....	..... to	25.00 to 35.00	25.00 to 40.00
Adiantum.....	..... to 1.00	..... to 1.50	1.00 to 1.50	1.00 to 1.25
Smilax.....	10.00 to 12.50	..... to 15.00	..... to 15.00	..... to 15.00
Asparagus Plumous, Strings (100)...	35.00 to 40.00	15.00 to 25.00	40.00 to 60.00	35.00 to 50.00
" " & Spren. (100 bchs.)..	20.00 to 25.00	15.00 to 25.00	25.00 to 35.00	35.00 to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

CHICAGO CARNATION COMPANY

A. T. PYFER, Manager

30 East Randolph Street,

CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, **CHICAGO**



THANKSGIVING

Last week when we advertised Gardenias we expected to have a fine supply for Thanksgiving and we are glad to say that they are the choicest and best lot of Gardenias our growers have ever sent in to us — quantity and quality both. Special, \$4.00 per doz.; Fancy, \$3.00 per doz.; First, \$2.00 per doz.

VALLEY: Special, \$4.00 per doz.; Extra, \$3.00 per doz.
WHITE ORCHIDS: Dendrobium Formosum, \$6.00 per doz.

BEAUTIES:					
	Doz.	100		Doz.	100
Special	\$5.00	\$40.00	First	\$2.50	\$20.00
Fancy	4.00	30.00	Second	2.00	15.00
Extra	3.00	25.00	Third	....	8.00

HEADQUARTERS FOR GREENS.

WILD SMILAX: \$5.00 per case.
GREEN GALAX: \$1.50 per 1,000; \$7.50 per 10,000.
BRONZE GALAX: \$1.50 per 1,000.
LEUCOTHOE SPRAYS (green): \$1.50 per 100; \$7.50 per 1,000.
GREEN SHEET MOSS: \$3.50 per bag.
SPHAGNUM MOSS: Ten bbl. bales, nicely burlapped, \$4.00 each; 5 bale lots, \$3.75 each; 10 bale lots, \$3.50 each; 25 bale lots, \$3.25 each.
MEXICAN IVY: \$1.00 per 100; \$7.50 per 1,000.
BOXWOOD: 50 lb. cases, \$7.50 each.



RIBBONS AND SUPPLIES: Many new patterns in exclusive Ribbons. Write us for prices on these and on Supplies

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA
1608-1620 Ludlow Street

NEW YORK
117 West 28th Street

WASHINGTON
1212 New York Avenue

Flower Market Reports

A slight improvement has been shown with stock plentiful. Roses, however, are the only out in the market. American Beauties are of indifferent quality, some good and some bad, and are not selling well. Killarneys are faded in color due, no doubt, to sudden changes in the weather. Chrysanthemums are about over and this has had a tendency to stiffen prices on other stock. Carnations are demanding better prices, but are scarce, while violets can be had in great abundance and the prices are exceptionally good. Lily of the valley is of fine quality and selling well.

A slight falling off in the shipping trade marks the business of the past week. The chrysanthemums and the pompons still hold chief places in the market. A shortening up of the daily receipts indicates that stock is being held for Thanksgiving week. Paper whites and stevia in limited quantities are arriving now. Rather large quantities of Ilex berries are reminding florists that the time for holiday preparations is at hand. Roses are not coming in too heavily, especially the better grades. Some fine American Beauties are cut daily, but in these, too, the supply is not too large. Plenty of carnations, but not enough first-class stock is the general report. Single violets are excellent, but the eastern doubles are altogether too plentiful and many are not sold. Lilies, as is usually the case, are selling slowly during chrysanthemum season. All kinds of green is abundant.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	BOSTON November 21	CHICAGO November 19	ST. LOUIS November 19	PHILA. November 19
Am. Beauty, Fancy and Special....	15.00 to 35.00	20.00 to 30.00	30.00 to 40.00	25.00 to 30.00
“ Extra.....	10.00 to 15.00	15.00 to 25.00	15.00 to 20.00	15.00 to 20.00
“ No. 1.....	6.00 to 8.00	10.00 to 15.00	10.00 to 12.50	10.00 to 12.00
“ Lower Grades.....	1.00 to 6.00	3.00 to 6.00	4.00 to 5.00	5.00 to 8.00
Killarney, Richmond, Maryland....	1.00 to 6.00	3.00 to 8.00	3.00 to 5.00	3.00 to 8.00
Bride, Maid.....	1.00 to 4.00	3.00 to 6.00	4.00 to 5.00	2.00 to 6.00
Hillingdon, Ward, Melody.....	1.00 to 6.00	3.00 to 8.00	4.00 to 8.00	3.00 to 8.00
Taft, Sunburst.....	1.00 to 6.00	3.00 to 8.00	..... to	4.00 to 10.00
Carnations.....	1.00 to 2.50	2.00 to 4.00	2.00 to 3.00	1.50 to 4.00
Cattleyas.....	35.00 to 40.00	40.00 to 75.00	50.00 to 60.00	25.00 to 40.00
Lilies, Longiflorum.....	6.00 to 8.00	6.00 to 10.00	12.00 to 15.00	8.00 to 10.00
Lily of the Valley.....	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Violets.....	.35 to .75	.50 to 1.00	.50 to .75	.50 to 2.00
Chrysanthemums, Fancy.....	16.00 to 25.00	12.00 to 25.00	20.00 to 25.00	15.00 to 25.00
“ Ordinary.....	4.00 to 8.00	5.00 to 10.00	5.00 to 15.00	5.00 to 10.00
Daisies.....	..... to 1.50	1.00 to 1.25	..... to .....	..... to
Sweet Peas.....	..... to .75	.50 to 1.00	.50 to .75	.50 to 1.00
Gardenias.....	15.00 to 25.00	25.00 to 35.00	..... to ..	15.00 to 30.00
Adiantum.....	1.00 to 1.25	.75 to 1.00	1.00 to 1.25	1.00 to 1.50
Smilax.....	10.00 to 15.00	12.00 to 15.00	12.00 to 15.00	..... to 15.00
Asparagus Plumosus, Strings (100).....	..... to 50.00	40.00 to 60.00	35.00 to 50.00	35.00 to 50.00
“ “ & Spren. (100 Bchs.).....	25.00 to 50.00	35.00 to 50.00	15.00 to 20.00	35.00 to 50.00

The larger part of last week the market was listless. Only the opening day and the two closing days showed anything like an active demand and then the supply was so large that in but very few lines were real prices realized. The shipping business took up its proportionate share while local business fell down somewhat. The rose supply is more or less limited, many of the growers being somewhat off crop. Even with this state of affairs, however, there is easily enough to go around. On last Saturday everything in this line was cleaned up. Beauties enjoyed a very much smaller demand than is their wont. Chrysanthemums have struck somewhat of a toboggan and quite a few found their way to the ash-barrel. Most of those sold hardly brought prices that measured their actual value. The same applied to pompons. The carnation supply is only moderate and is just about right for market requirements. Lilies sold in very much the same way as chrysanthemums. Violets and sweet peas sold very well.

Neither orchids nor lily of the valley cleaned up with their usual vigor. New offerings are paper white narcissus, stevia and pansies.

Since the last report NEW YORK business has considerably improved. The

opera season is with us and it is Horse Show week, which means a great influx of visitors so that the demand for cut flowers has been good and prices are firmer, if not in the ascendant. American Beauty roses are none too plentiful; Tafts are scarce these days, but there is no shortage of other varieties. Chrysanthemums are very fine, especially Bonnaffons, but we have more than enough to go round, considering which the prices realized are good. Orchids are not so plentiful, but we have an abundance of gardenias, which include many on the small side. The football game at Princeton on Saturday, the 16th inst., made a lively call for yellow chrysanthemums and helped to deplete the heavy overstock with which the market was burdened.

(Continued on page 726)

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	Last Half of Week ending Nov. 16 1912		First Half of Week beginning Nov. 18 1912	
American Beauty, Fancy and Special	25.00	to 35.00	15.00	to 25.00
" " Extra	10.00	to 20.00	8.00	to 12.00
" " No. 1	8.00	to 12.00	6.00	to 8.00
" " Lower Grades	1.00	to 4.00	1.00	to 3.00
Killarney, Richmond, Maryland	1.00	to 5.00	1.00	to 5.00
Bride, Maid	1.00	to 5.00	1.00	to 5.00
Hillingdon, Ward, Melody50	to 6.00	.50	to 6.00
Taft, Sunburst50	to 8.00	.50	to 8.00
Carnations	1.00	to 3.00	1.00	to 3.00

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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Nov. 16 1912	First Half of Week beginning Nov. 18 1912
Cattleyas.....	20.00 to 40.00	15.00 to 35.00
Lilies, Longiflorum.....	2.00 to 3.00	2.00 to 5.00
Lily of the Valley.....	1.00 to 3.00	1.00 to 3.00
Violets.....	.20 to .50	.15 to .35
Chrysanthemums, Fancy.....	8.00 to 20.00	8.00 to 20.00
Ordinary.....	2.00 to 6.00	2.00 to 6.00
Daisies.....	..... to 1.00	.50 to 1.00
Sweet Peas.....	1.00 to 2.00	1.00 to 2.00
Gardenias.....	15.00 to 25.00	16.00 to 25.00
Adiantum.....	.50 to 1.00	..... to .50
Smilax.....	6.00 to 8.00	6.00 to 8.00
Asparagus Plumosus, strings (per 100).....	..... to 20.00	..... to 20.00
" & Spreng. (100 bunches).....	8.00 to 12.00	8.00 to 25.00

all varieties. All the late sorts have appeared during the week and cleaned up well. Roses have dragged a great deal of late. Violets have had the call during the week and cleaned up daily. Carnations are plentiful enough, but not of the good quality of stock. Lily of the valley, lilies and all kinds of greens sold well all of the week. Thanksgiving prices take effect next Monday.

WASHINGTON

as could be desired although there has been considerable funeral work and there was a heavy run on single chrysanthemums due to the Georgetown-Virginia football game. There is plenty of stock of all kinds to be had, with the possible exception of carnations. Both roses and violets are coming into the market in much better shape and are moving fairly well. Prices on all stocks are low and the demand for everything has been materially shortened by the influx of chrysanthemums.

The executive committee of the New Bedford (Mass.) Horticultural Society, at a meeting Nov. 11, awarded first class certificates for general display of chrysanthemums at the recent exhibition to J. W. Frasier and Peckham Floral Co. A diploma was given to J. R. Barreau for his exhibit.

PERSONAL.

Louis Holly, formerly with the Thompson Carnation Co., Joliet, Ill., is now foreman for Nic Zweifel, North Milwaukee, Wis.

Russell Rector, formerly with Currie Bros., Milwaukee, Wis., is now in the cut flower department of H. Wittbold, 56 East Randolph street, Chicago, Ill.

R. W. Rhynd, formerly at Goodell Farm, Wenham, Mass., has just returned from a trip to Scotland and is located with Harry Underwood, at Belmont, Mass.

John Donaldson, P. Einsmann, C. W. Scott and J. Miesem, representing the Long Island plant growers, sailed for Richmond, Va., on the Old Dominion Line steamer, Nov. 16, to visit Mr. Brown of that city.

P. D. Barnhart, editor of the Pacific Garden, Pasadena, Calif., has become connected with the newly organized California Nursery and Orchards Co., which is capitalized at \$250,000 and has a nursery in the La Habra valley, about thirty miles from Los Angeles.

Boston visitors: Gustave Thommen, Billerica, Mass.; Prof. E. A. White, Amherst, Mass.

Flower Market Reports

(Continued from page 725)

PHILADELPHIA

While there is no special jubilation to be heard about last week's market neither is the melancholy note very pronounced. It seems to have been fairly satisfactory, all things considered. The main feature was the big influx of chrysanthemums, much heavier than usual for the date. The growers cannot be blamed for this, however, as they planned to have many of their varieties much later but the season was against them, and many of the later varieties came in in spite of their best efforts. The outlook is therefore favorable for short supply Thanksgiving week with a consequent hardening in prices and the wholesalers are booking orders with caution. The rose market continues in good healthy shape both as to prices and quality. There has been no marked advance in prices as yet, but this is bound to come very soon. The same may be said of carnations. Violets are much more of a factor and are now of fine quality. The football season brings these to the front and prices have hardened considerably. Orchids are much scarcer. Good cattleyas, dendrobiums, oncidiums, and cypripediums are now bringing something near their proper value. The latest new arrival is mignonette, some very fine stock now to be seen. Paper whites and stevia are also among the minor items that are now with us after the usual long absence.

ST. LOUIS

The market improved somewhat last week, but the supply was greater than the demand, however, on any one day. Roses have suffered somewhat from the increased supply in chrysanthemums, and the leading retailers are buying heavily daily of

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Asparagus plumosus nanus, 4-in., \$8.00 per 100; \$75.00 per 1000. Cash. A. B. Cronbaugh, Ada, Ohio.

Asparagus Sprengerii, 2 inch, \$2.00 per 100; \$18.00 per 1000. Cash please. Felsch Bros., Maywood, Ill.

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Welch Bros. Co., 226 Devonshire St.
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Syracuse Pottery Co., Syracuse, N. Y.
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FUNGINE

Aphine Mfg. Co., Madison, N. J.
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GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
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Kervan Co., New York.
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Millington Fern Co., Millington, Mass.
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GERANIUMS

Geraniums, Nutt, Dagata, Ricard, Red
Wing, Viand, La Favorite, Jaulin, Perkins,
Oberle, \$2.00 per 100; \$18.50 per 1000. Hill,
Dryden, Pamela, Vincent, Poltevine, Double
Dryden, Luigi Grandi, Docteur Danjou,
\$3.00 per 100; \$25.00 per 1000. Send for
Geranium Catalogue. F. H. DeWitt & Co.,
Wooster, Ohio.

GLADIOLUS

John Lewis (Childs, Flowerfield, N. Y.)
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A. Henderson & Co., Chicago, Ill.
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SURPLUS STOCK of standard varieties
at bargain prices. Send for list of splendid
novelties. Chamberlain & Gage, Groton,
Mass.

GLASS

Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.
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Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.
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Parselsky Bros., Inc., 215-217 Havermeier
St., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
Boston.
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King Construction Co., N. Tonawanda, N. Y.
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Frank Van Assche, Jersey City, N. J.
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S. Jacobs & Sons, Brooklyn, N. Y.
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Metropolitan Material Co., Brooklyn, N. Y.

Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.

Lord & Burnham Co.,
1133 Broadway, New York.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
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Frank Van Assche, Jersey City, N. J.
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Foley Mfg. Co., Chicago.

Hitchings & Co., 1170 Broadway, N. Y.
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Lord & Burnham Co.,
1133 Broadway, New York.

Pierson U-Bar Co., Madison Ave., New York.
Designer and Builder.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange,
38 and 40 Broadway, Detroit, Mich.
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The Kervan Co., New York.
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Millington Fern Co., Millington, Mass.
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HEATING APPARATUS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Chas. H. Dodd, Jersey City, N. J.
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Lord & Burnham Co.,
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HERBACEOUS PERENNIALS

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E. S. Miller, Wading River, N. Y.
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P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Bobbink & Atkins, Rutherford, N. J.
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HOSE

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HOT-BED SASH

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Parselsky Bros., Brooklyn, N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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Imp. Soap Spray.
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Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
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Standard Insecticide.
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Interstate Tobacco Co., New York, N. Y.
"Tip Top" Tobacco Powder.
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Benjamin Hammond, Fishkill-on-Hudson,
N. Y.

Slug Shot.
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Kentucky Tobacco Product Co.,
Louisville, Ky.
Nico-Fume.

JAPANESE LILIES

Loechner & Co., New York, N. Y.
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In writing to Advertisers kindly mention Horticulture

LEMON OIL

Lemon Oil Co., Baltimore, Md.
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LILY BULBS

R. & J. Farquhar & Co., Boston, Mass.
New Lillies.
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Jas. Vick's Sons, Rochester, N. Y.
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R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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LILY OF THE VALLEY PIPS

Lochner & Co., New York, N. Y.
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August Rolker & Sons, 31 Barclay St., N. Y.
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McHutchison & Co., 17 Murray St., N. Y.
Berlin Valley Pips.
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LOBELIA CARDINALIS

Mt. Desert Nurseries, Bar Harbor, Me.
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MARGUERITES

Marguerite plants from 5½-inch pots,
best winter flowering variety; \$6.00 per
dozen plants. Peirce Bros., Waltham, Mass.

MASTICA

F. O. Pierce Co., New York, N. Y.
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MUSHROOM SPAWN

Weeber & Don, New York, N. Y.
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NOVELTIES IN GLADIOLI

SURPLUS STOCK of standard varieties
at bargain prices. Send for list of splendid
novelties. Chamberlain & Gage, Groton,
Mass.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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W. & T. Smith Co., Geneva, N. Y.
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Hardy, Northern Grown Stock.
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Bobbink & Atkins, Rutherford, N. J.
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August Rolker & Sons, 31 Barclay St., N. Y.
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Fursts' Nurseries, Brussels, Belgium.
Send for Catalogue.
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John Waterer & Sons, Ltd., Bagshot, Eng.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

SHRUBBERY.

There are bargains to be had here in
such varieties as Spireas, Altheas, Weigelas
and Philadelphus, and this names only a
few. We have acres of shrubs, well grown
and ready for you. Write for price list.
The Conard & Jones Company, West Grove,
Penna.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Alphonse Pericat, Collingdale, Phila., Pa.
Special Orchid Offer.
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Lager & Hurrell, Summit, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Hybrid Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

ORCHID GROWERS' MANUAL.

By B. S. Williams, 300 illustrations, 800
pages; descriptions of upwards of 2500
species and varieties of orchidaceous
plants, etc. The most complete work on
Orchids and Orchid Culture ever pub-
lished. Price \$10.00.

Orders filled by HORTICULTURE, 11
Hamilton Place, Boston.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries,
Rosindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Godfrey Aschmann, Philadelphia, Pa.
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Robert Craig Co., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Joseph Heacock, Wyncote, Pa.
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Lochner & Co., New York, N. Y.
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August Rolker & Son, 31 Barclay St., N. Y.
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PANSY PLANTS

Pansy plants, strong field grown.
Beaconsfield, light blue, best for cut
flowers. Also other separate colors. \$3.50
per 1000 prepaid. Peter Pearson, 5752
Gunnison St., Chicago.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

J. H. Sprague, Barnegat, N. J.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.

A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

Peonies. The world's greatest collection,
1200 sorts. Send for list. C. Betscher,
Canal Dover, O.

PIPE HANGERS

King Construction Co., N. Tonawanda,
N. Y.
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PLANT AND BULB IMPORTS

August Rolker & Sons, New York, N. Y.
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McHutchison & Co., 17 Murray St., N. Y.
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PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

Plant Trellises and Stakes. P. A. Angler
& Co., Westboro, Mass.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.

Kroeschell Bros. Co., 466 Erie St., Chicago.

POINSETTIAS

A. Henderson & Co., Chicago, Ill.
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S. S. Skidelsky, Philadelphia, Pa.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIVET

California Privet, well grown, 2-year-old
plants, from 12 inches to 3 feet; well
finished plants, well graded and well packed.
Also one and two-year-old Ampelopsis
Vetehii. For prices and particulars ad-
dress Charles Black, Hightstown, N. J.

RAFFIA

McHutchison & Co., 17 Murray St., N. Y.
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REFRIGERATORS FOR FLORISTS

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A. N. Pierson, Cromwell, Conn.
Bedding Roses.

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Wood Bros., Fishkill, N. Y.
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Charles H. Totty, Madison, N. J.
Rose Mrs. George Sawyer.

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Breck-Robinson Nursery Co., Lexington,
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Godfrey Aschmann, Philadelphia, Pa.
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Oklahoma Seed Growers Co., Enid, Okla.
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Leonard Seed Co., Chicago, Ill.
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Everett B. Clark Seed Co., Milford, Conn.
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Braslan Seed Growers Co., San Jose, Cal.

SEEDS

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W. Atlee Burpee & Co., Philadelphia, Pa.
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R. & J. Farquhar & Co., Boston, Mass.
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Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
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S. S. Skidelsky & Co., Philadelphia, Pa.
Cyclamen and Pansy Seed.
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Arthur T. Boddington, New York.
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J. Bolgiano & Son, Baltimore, Md.
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The Haven Seed Co., Santa Ana, Cal.
Tomato Seed.

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James Vick's Sons, Rochester, N. Y.
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S. Bryson Ayres Co., Independence, Mo.
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P. Hamilton Goodsell, New York, N. Y.
Grass Seed.
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S. D. Woodruff & Son, New York, N. Y.
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Brown Bag Filling Machine Co., Fitchburg, Mass.
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B. Hammond, Fishkill-on-Hudson, N. Y.
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SPHAGNUM MOSS

J. H. Sprague, Barnegat, N. J.
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Sphagnum Moss, large bales. Green Moss in bbls. Laurel Bunches and Broken Laurel. James Day, Milford, N. H.

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPIREAS

Breck-Robinson Nursery Co., Lexington, Mass.
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STOVE PLANTS

Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

TIP TOP TOBACCO POWDER

Interstate Tobacco Co., Inc., 1397-1399 Ave. A, New York, N. Y.
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VENTILATING APPARATUS

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The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
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Quaker City Machine Works, Richmond, Ind.
20th Century Arm.

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W. J. Cowee, Berlin, N. Y.
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WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
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N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
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Welch Bros. Co., 226 Devonshire St.
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Poehlmann Bros. Co., Morton Grove, Ill.
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J. A. Budlong, 37-39 Randolph St.
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Chicago Flower Growers' Association, 176 N. Michigan Ave.
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Chicago Carnation Co., 30 E. Randolph St.
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Hoerber Bros., Chicago, Ill.
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The J. M. McCullough's Sons Co., 316 Walnut St.
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Michigan Cut Flower Exchange, 38 and 40 Broadway.
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Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
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H. E. Froment, 57 W. 28th St., New York.
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E. C. Horan, 55 W. 28th St., New York.
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James McManus, 55 W. 28th St., New York.
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W. F. Sheridan, 133 W. 28th St., New York.
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Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
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Moore, Hentz & Nash, 55 and 57 W. 28th St., New York.
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Charles Millang, 55 and 57 West 26th St., New York.
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P. J. Smith, 49 West 28th St., N. Y.
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W. P. Ford, New York.
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Traendly & Schneek, New York, N. Y.
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Frank Millang, 55-57 West 26th St.
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Woodrow & Marketos, 41 West 28th St.
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A. L. Young & Co., New York, N. Y.

Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
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The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.
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Rochester

George B. Hart, 24 Stone St.
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New Offers In This Issue**GERANIUMS.**

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O. V. Zangen, Hoboken, N. J.
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LILY OF THE VALLEY FOR FORCING.

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RED CHRISTMAS GOODS.

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ROSE MILADY, MRS. CHAS. RUSSELL, MRS. GEO. SHAWYER, CHRYSANTHEMUMS.

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SURPLUS LIST OF MELON SEED. Oklahoma Seed Growers' Co., Enid, Okla.

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THANKSGIVING STOCK OF DECORATIVE PLANTS, BLOOMING STOCK, ETC.

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VINCA SEED.

Michell's Seed House, Phila., Pa.
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Little Ads Bring Big Returns

Little ads. in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

In writing to Advertisers kindly mention Horticulture

ADVERTISING; SOME WRONGS TO MAKE RIGHT.

An address by L. W. C. Tuthill, of New York, before the Society of American Florists at the Chicago Convention, August 21, 1912.

Advertising—what is it?

Some say it is a hybrid tea rose.

Others, that it is a sport of Killarney.

But I say it is the American Beauty.

It is the strong-rooted long-stemmed, vigorous plant that yields the deep red blooms of big business successes.

Right away many of you growers begin shaking your heads, saying: "Advertising is all right for the other fellow, but my business is different. In the first place, there isn't profit enough in the flower business to stand for advertising. (Every grower knows that isn't so the minute he has said it.)

"Second—I have tried it two or three times, and it was just like throwing so much money down a knothole.

"Third—my business always has paid without advertising, so what's the use of blowing in my money just because those blasted magazines and papers hound the life out of me, or Hot Air Tuthill gets up there on the platform and claims advertising is the American Beauty of business—the life-saver of profits, and all that rot?"

What Advertising Really Is.

In answer to all of which, let's back up and begin all over again and find out just what advertising really is.

In short, it's the quickest and surest possible way of letting it be known to the greatest number that you are in business—where you are in business—what your business is. It's the shortest short-cut method between the seller and the buyer. It's the modern power that accomplishes in two years what it used to take ten to do.

But it's more than a builder—it's also a destroyer; a quick, unrelenting destroyer. Therefore it needs to be handled carefully—knowingly. It quickly builds up a business that is backed up by good goods and the square deal. It still more quickly wipes off the map, destroys concerns that either misrepresent their stock, or that fail to meet their customers just a little more than half-way.

"Oh, well," you say, "of course I do in a way believe in advertising, because when I have a few thousand extra cuttings more than I can use, or am overstocked on some plants, I just send an ad to the florists' papers and unload. But as for my advertising at any other time, it's ridiculous, as I send all my stock to the commission man. What's the use of advertising to him? He knows me—knows my goods."

A National Awakening.

Listen: As old as the florist business is—it's really among the youngest there is. It's just beginning to really begin. The real beginning began about ten years ago, when Doubleday, Page & Co., started their Country Life and Garden magazines. These magazines brought a message of flowers and country beauty to thou-

sands and thousands of people who simply needed to be thus stirred into action. Soon followed other magazines like Suburban Life, House and Garden and ones of a similar nature, and then still other mediums, and even the daily papers caught the flower fever, until now the love of flowers, stimulated by all these publications, is fast becoming a noticeable national trait. Every time one of these country life magazines gets a convert to the joys of flowers, you growers have one more possible buyer of your products.

But this national awakening to the appreciation of flowers also brings with it every year a greater discrimination in the buyers. The so-called "bread and butter" carnations are fast becoming more difficult to sell, simply because the public is rapidly getting to know flowers, and insisting on better and better quality.

An Identifying Trade-Mark.

Now suppose I could go into one of the Chicago florist shops and ask for not only "just roses," but roses grown by one Frank Jones—and those Jones roses bore some identifying means so that I knew I was getting Jones roses. Now don't you think it would pay both the grower and the florist to get together somehow and spend a little joint money in letting the public know that Jones' Superior Roses always carried an identifying trade-mark?

Most assuredly it would.

There is just as much of an opportunity to trade-mark Jones' Superior Roses as there is Butter-Krust bread or Borden's milk.

And it's going to be done.

One of your largest eastern growers, whose stock is always of the finest, has for a considerable time been suffering from substitution—stock being sold for his that is not his. You know!

He and the ad agency I am associated with are now working on a plan to overcome this trouble.

It's been a hard nut to crack.

It looks as if certain kinds of advertising and trade-marking were the only thing that can make this wrong right.

A Look Into the Future.

While the demand for flowers and plants is still at its height, and production has not yet caught up with demand, the advertising question won't receive from you the serious attention it even now deserves. But mark my word, that just as sure as anything that's sure is sure, the stimulating influence given by the magazines is, sooner or later, going to lose its force and some direct advertising by the growers, as well as the florists, must then be done to further stimulate the business.

Just how to set the wheels of advertising working to further this result is going to be the cause of many a headache. Some of you who have your ears to the ground have long been turning this over in your mind, and when the time comes you will be ready with the answer. One of the greatest wrongs, then, to make right, is the overcoming of the impression that the flower market can escape advertising.

Tying Up One's Pocketbook.

The way some business men refuse to get aboard the advertising train reminds me of a cousin of mine who was determined to go to an evening

party. All day it rained hard. His father said that if it rained he couldn't go, but if the wind would veer around to the west, it would surely clear off. So my cousin watched his opportunity and climbed up on the barn and tied the weather vane fast so it pointed west.

He went to the party—but it still rained.

You can tie up your pocketbook and refuse to advertise, but that won't stop the storm of competitors who will be getting your business away.

So much for the future.

Now let's get right down to the brass tacks of the present day situation.

First, let's find a little good-natured fault with the trade papers.

What would you think of a firm who put the index of their catalogue in some obscure part, so you needed an index to find the index? You would say they certainly didn't have an eye to business and that an index ought to be the easiest thing to find and should be placed where you couldn't miss it.

By the same token, what a lot it would help every advertiser in making it easy for buyers to locate his ad, if the index to the trade papers were placed every time right in the front row, on the first inside page facing the cover! As it is now, the publisher knows where it is, but it takes a regular Sherlock Holmes for one less familiar to find it.

Starting and Staying.

Now a word about starting and staying.

A serious and costly wrong that advertisers ought to make right is starting in to advertise and then dropping out before the ads have had half an opportunity to get their good, telling work in. Some men seem to think advertising is a sort of wizard game that should yield extraordinary results in an extraordinarily short time—a kind of waving of the wand that will back a wagon up to their doors filled with orders. It's far from it, because it is a straight business procedure and not a fairy tale.

No single ax-stroke can clear a forest. The woodman who chops and stops, wastes time, timber and money. He had better not have begun.

Make up your mind you are going to spend so much money this year—and then spend it. Send out your message each week. Keep continually chopping away. But every week chop from a different side, in other words, change your ads. Remember that advertising is intended to arouse interest—to hold interest—and to turn that interest into an order.

Last week's paper doesn't interest you this week—so how can you expect last week's ad to hold anybody's interest this week?

A Real Ad or Only a Sign?

In preparing your ad, make up your mind whether it's going to be a sign, or a real, full-blooded ad. Don't try to mix them.

A sign is to attract people who are looking for you—a sort of guide post.

An ad is to attract and convince the people you are looking for, that your goods are the goods worth looking for.

Very few are looking for you.

It's up to you to look for them.

Having found them, it's all your

PULVERIZED OR SHREDDED

CATTLE MANURE

Pure, Dry, Safe and Reliable

The best of all manures for Roses. Clean, convenient and economical for top-dressing and mulching. Unequalled for potting soil.



PULVERIZED

SHEEP MANURE

There is a reason why Wizard Brand Sheep Manure is more extensively used by Florists than any other:—Best for Carnations and Chrysanthemums—Best for making bench soil—liquid manuring—and field work. Ask for our Growers' Booklet and know why Wizard Brand leads

THE PULVERIZED MANURE CO., - - 31 Union Stock Yards, CHICAGO

LEMON OIL CO'S
STANDARD
INSECTICIDE
SOLUBLE IN WATER
NO ODOR NO POISON

Guaranteed under the Insecticide Act, 1910. Serial No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, etc. without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

½ Pint - - 25c; Pint - - 40c; Quart - - 75c
½ Gallon, \$1.25; Gallon, \$2.00; 5 Gallon Can, \$9
10 Gallon Can - - \$17.50

Dilute with water 30 to 50 parts

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct

Lemon Oil Company Dept. K
420 W. Lexington St., Baltimore, Md.
Directions on every package

Imp Soap Spray
Effective one to thirty-two.

Single gallons, \$1.50

Eastern Chemical Company
BOSTON

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Ham-
ilton Place, Boston.

SITUATIONS WANTED

CAPABLE PLANTSMAN, gardener and orchid grower would like a position. First class references from the largest growers in the country. Englishman; married. J. O., care HORTICULTURE.

FOR SALE

FOR SALE—Retail Store in city of 16,000. Bargain. For full particulars address "E," care HORTICULTURE.

FOR SALE—Flower Shop in city of nearly 100,000 inhabitants; well established, well stocked. Owner going West. Address W. H., care HORTICULTURE.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

CLAYS FERTILIZER

112 lb. bag, \$5.50 56 lb. bag, \$3.00 28 lb. bag, \$1.75

Stumpp & Walter Co., 50 Barclay St., N.Y.



SLUG-SHOT

USED FROM OCEAN TO OCEAN FOR 29 YEARS.

Sold by Seed Dealers of America.

Saves Currants, Potatoes, Cabbage, Melons, Flowers, Trees and Shrubs from Insects. Put up in popular packages at popular prices. Write for free pamphlet on Slugs and Bilets, etc. to B. HAMMOND, Fishkill-on-Hudson, New York.

JACK FROST

BURLAP MATS for COLD FRAMES

One Mat Covers Two Frames

\$1.20—\$14.00 per Doz.

Wm. Elliott & Sons

42 VESEY ST., NEW YORK

Established 1845.

Green Flies and Black Flies Too are easy to kill with

"TIP-TOP" BRAND

Tobacco Powder

For fumigating or dusting. \$3.00 per bag, 100 lbs. Write for free samples. Money with order.

Interstate Tobacco Co., Inc.

1397-1399 Ave. A, NEW YORK

Money refunded if not satisfied. Beware of imitations. Territory open for live jobbers. Write for prices.

Cocoanut Fibre Soil

Is being used more and more in the greenhouse and for covering lawns from September to frost. Keep it in stock, it is a seller.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST.,

BEVERLY, MASS.



The Recognized Standard Insecticide.

Not a cure-all but a specific remedy for all sap sucking insects infesting plant life such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Does not stain the foliage.

75c. per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used one part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN.

Aphine Manufacturing Co., Madison, N. J.

Manufacturers of Agricultural Chemicals
M. C. EBEL, General Manager.

FERTILENE

THE IDEAL PLANT FOOD.

Unequalled for Producing Lusty

CHRYSANTHEMUM BLOOMS

Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. Sample packets of one-half pound mailed for 30c. Sample packets of one pound mailed for 50c.

ELMER D. SMITH & CO., ADRIAN, MICH.

In writing to Advertisers kindly mention Horticulture

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS

Pearson Street
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS
A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

fault if you don't make them remember you and your goods—not only remember, but remember to send you their orders. People are not going to bother to keep remembering you, especially when your competitor is continually remembering them, by weekly telling talks in the trade papers.

The indeliberate, haphazard way some men start out to advertise reminds me of my neighbor, who is handy in carving wood. He started one day last week to carve out a Duke of Wellington. The duke was a tall man and he cut the wood too short, so he concluded to make it into a Napoleon, who, you know wasn't tall. He then cut it too narrow for the broad shoulders of Napoleon, so he concluded to make it into an Isaac Watts, who was very thin. Then he carelessly split it, and finally whittled it into a button for the barn door.

The moral is: If you expect to get Wellington victories, cut your expenditure big enough to land somewhere besides on a barn door.

What to Say.

Now for the text of your ads.

What shall you say in them?

What do you say to your customers to get them to buy when you see them personally?

Your talk sells the goods, doesn't it?

Then why not use the same line of talk in your ads? Ads, after all, are only selling talks on paper.

Just forget forever and ever that an ad, to catch and win, must be clever or funny, or have some peculiar twitch or turn to it. Simply be frank and tell your straight, concise business story. Illustrate it.

Don't crowd your space jam-full of text. Leave some white space about it, for it to breathe in.

If then you have the good goods your ad says you have, your ad will not only catch readers—but hold them and influence them to write to you.

Don't use up any part of your space telling how poor the other fellow's goods are. You have none too much room to tell about yours, the way they ought to be told about. Besides, ten chances to one, you stir up a curiosity in your readers to find out more about those other goods. Incidentally, they then find out from the other fellow some of the weak spots in yours, and promptly you have a man's size job on your hands to land the order.

A Contrast in Methods.

One boiler firm, for instance, that has only steel tubular boilers for sale, is making sweeping statements about the absolute worthlessness of cast-iron boilers.

On the other hand, as a contrast, one of the firms making cast-iron boilers comes out frankly and says that "each type of boiler has its particular uses and limitations, and each is particularly adapted for its particular purposes."

Then the advantages and disadvantages of both are freely exploited.

There can be absolutely no doubt in your mind which firm you would appeal to if you wanted frank, dependable advice.

It's always well to keep in mind that the important things in an ad. are the buyers' reasons for buying—not the sellers' reasons for selling.

Keep sharp watch on the other fellows' ads—not so much for pointers for what to say and do, as what not to do.

If you are too much influenced by what they do, you will follow them. If you do it the other way about, you will lead them.

And who wouldn't rather be a leader?

As for illustrations—by all means use them where possible. But for heaven's sake, use illustrations that illustrate what you want to sell. Don't use the smirking picture of a girl showing her pearly teeth if you have carnation supports to sell. Show the supports. Better yet, show them in use. Leave the pearly teeth girlies for dentists' ads.

How Much Space to Use.

"How much space should I use?" This is a question advertisers are continually tussling with.

Lincoln said, "A man's legs should be just long enough to reach the ground."

By the same token, you should use enough space to show your article and tell your story as it should be told.

Any more space is extravagant—any less is costly. Costly, because it's sending a boy to do a man's work. Generally the boy goes off swimming or to the ball game.

Unfortunately, there exists a certain fear in some advertisers' minds that if they don't use some space in all the papers in the field, the omitted ones will in various ways conspire against them to the serious detriment of their business. In short—a mild form of blackmail, if you please.

On the other hand, there are other advertisers that feel that because they place a large amount of business with certain papers, they can dictate the policy of the paper, even to the absurdity of either excluding or of giving undesirable locations to competitors' ads. Both points of view are not only highly absurd, but indicate a mighty poor business vision.

Too Small Space—Too Many Mediums.

Unquestionably, too small space is being used in too many mediums. Cut down the mediums half, and increase the space proportionately. In this way you cut out repeated duplication of circulation and give yourself a chance to both show and talk about your products as they should be shown and talked about.

In choosing your mediums, always

bear in mind that the ones having the largest circulations do not necessarily represent the largest buying numbers for your particular product. Large circulation often means hundreds and thousands of readers who are absolutely worthless to you.

One of the trade papers, for example, has 10,000 subscribers—another only 4,000. One of our customers has proven, beyond a doubt, that for reaching a certain limited class with whom their business is large, the 4,000 paper yields greater returns than the 10,000 one.

On the other hand, this same concern is paying for a 30,000 circulation in one magazine to reach a certain few—a very few—not more than 500, in fact—and it's a remarkably cheap buy for them at that. Cheap, because it's the only medium that reaches their logical customers the way they want them reached.

On a Scientific Basis.

The greatest help to an advertiser that established advertising agencies of reputation have to offer to their customers is not the mere writing of the ads., but the directing of the advertiser's money in channels that shall be the most productive, regardless of personal friendship or "influences"; channels concerning which these agencies possess facts, figures and experiences to prove the soundness of the treatment and expenditures advised. This, then, is the bringing of advertising to the basis of a science, a profession that bids fair to make dollars by both the intelligent saving and the spending of advertising moneys.

1000 READY PACKED CRATES STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1 1/4 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	450 4 1/2 " " 5.24
1500 2 1/4 " " 5.25	320 5 " " 4.51
1500 2 1/2 " " 6.00	210 5 1/2 " " 3.78
1000 3 " " 5.00	144 6 " " 3.16
800 3 1/2 " " 5.80	120 7 " " 4.20
	60 8 " " 3.00

HILFINGER BROS., Pottery, Fort Edward, N. Y.
August Roiker & Sons, 31 Barclay St., N. Y. City, Agents

OUR SPECIALTY—Long Distance and export trade

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST
28th & M Sts. Washington, D. C.

Syracuse Red Pots

With new and improved machinery, we can supply your wants to better advantage than ever.

Special discounts on large orders.
Syracuse Pottery Co., SYRACUSE N. Y.

AN IMPROVED PIPE HANGER

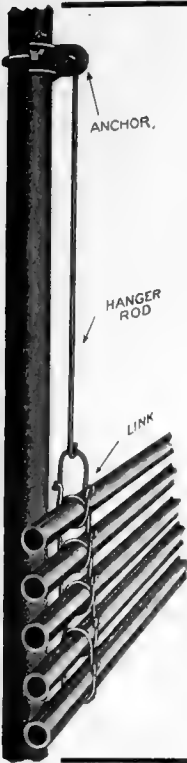
allows for expansion of individual pipe as well as the whole coil.

Write
For Prices

**KING
CONSTRUCTION
CO.**

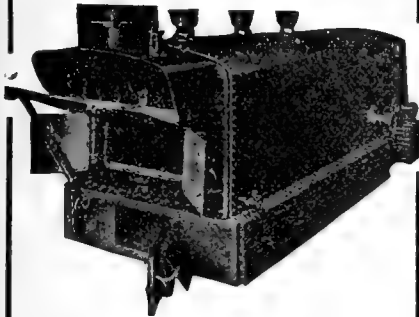
N. TONAWANDA,
N. Y.

BOSTON, 410 Winthrop Bldg.
NEW YORK, 1181 Broadway.



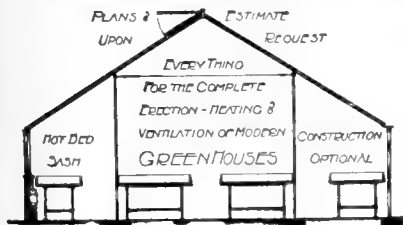
KROESCHELL BOILER

SEND FOR CATALOGUE



KROESCHELL BROS. CO.
466 W. Erie St., Chicago, Ill.

S. JACOBS & SONS



1359-1385 Flushing Ave.
BROOKLYN, - - - N. Y.

CHARLES H. DODD

Greenhouse Builder, General Greenhouse Mechanic.
Iron Frame and Wood Bar Houses.
Ideal Greenhouse Boilers.
Materials Furnished or Erected. Heating and Ventilating Materials.
578 Ocean Ave., JERSEY CITY, N. J.

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.



**WHEN
BUILDING or REMODELING**
your greenhouses, be sure to specify Advance Ventilating Apparatus to operate your sash.

Advance machines are installed in many of the finest houses in the country, and give excellent service and satisfaction.

Up-to-date florists use Advance Apparatus to operate their vents, and it has always pleased them. Get our new catalogue of Ventilating Apparatus and greenhouse fittings. It will please you.

ADVANCE CO., - Richmond, Ind.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.



Evans 20th Century Arm

Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

Write for free Catalogue to

QUAKER CITY MACHINE CO.
Richmond, Ind.

Greenhouse Materials FURNISHED AND ERRECTED
IRON or WOOD SASH BARS

In all lengths up to 32 feet.

Milled to any detail furnished or will furnish details and cut materials ready for erection.

Frank Van Assche, Fulton Ave., Rose Ave.
and Dwight Street
JERSEY CITY, N. J.



WROUGHT IRON PIPE FOR SALE

Rethreaded, thoroughly overhauled, in random lengths, guaranteed free from splits or holes.

It will pay you to communicate with us.

ALBERT & DAVIDSON

217-23 Union Avenue Brooklyn, N. Y.



DREER'S

Florist Specialties, New Brand. New Style. Hose "RIVERTON" Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST
3/4 inch, per ft., 15 c.
Reel at 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
1 in. h., " 13 c.
Reels, 500 ft., " 12 1/2 c.

Couplings furnished
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, Pa.

GLASS

for **GREENHOUSE** and **HOT BED SASHES**. Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.

215-217 Havemeyer St., Brooklyn, N. Y.

Dreer's Peerless Glazing Points

For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No 2



MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

PATENTS

Trademarks and
Copyrights

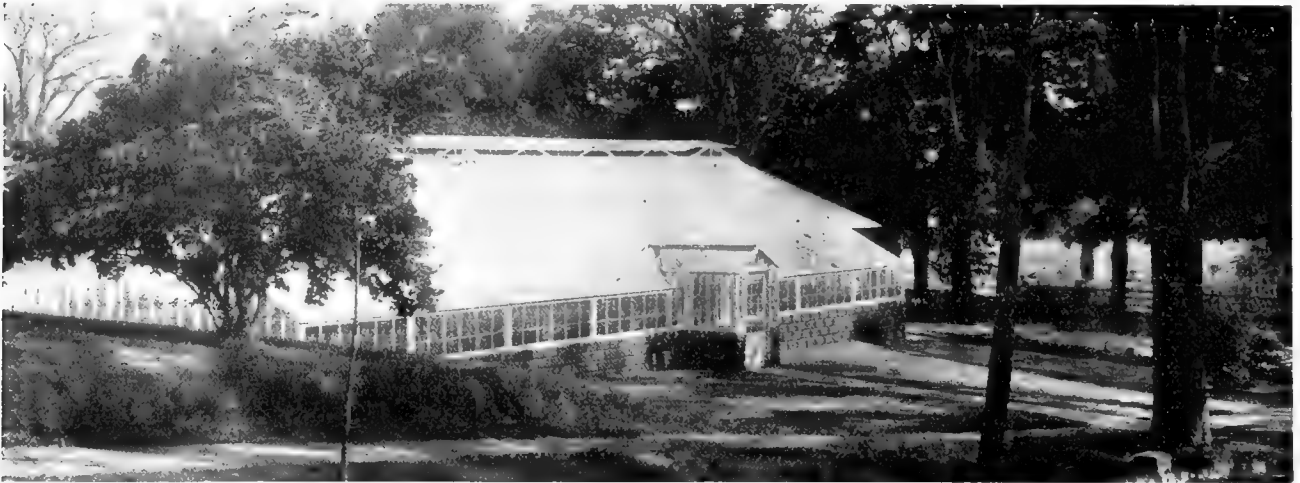
Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Thirty years active service.

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

THE FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of 32,500,000 sq. ft. of glass. For particulars address
John G. Esler, Secy Saddle River, N.J.



Iron Frame House 40x67 Erected for Rowden & Mitchell, Wallingford, Conn.

About the Cost of Building

Occasionally some one asks us if we "can't get the price of our Iron Frame house down." To which we always reply: "Of course we can—but we can't."

Can't, because the best of materials and best of mechanics cost just so much, and to cut costs, means cheapening either the materials or employing unskilled men.

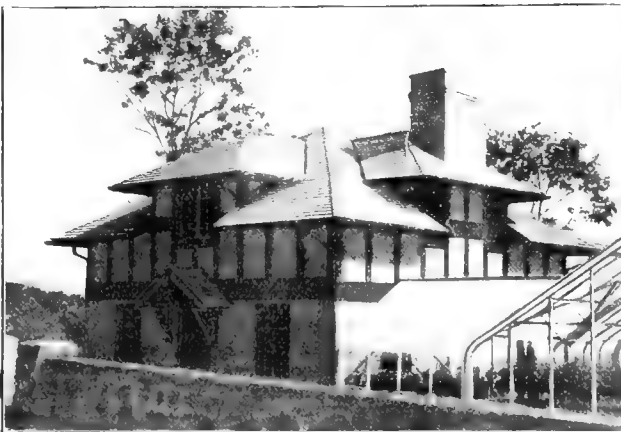
You simply can't put your prices down and keep your quality up. We have a reputation for building one of the best Iron Frame constructions it's possible to turn out; and just as long as Hitchings & Company is Hitchings & Company, we are going to build the best house it's possible to build. Such houses can never be cheap; but they will always cost less in the end. And the end begins right at the beginning. Send for catalog.

HITCHINGS & CO.

SPRING AND LOUISA STS., ELIZABETH, N. J.

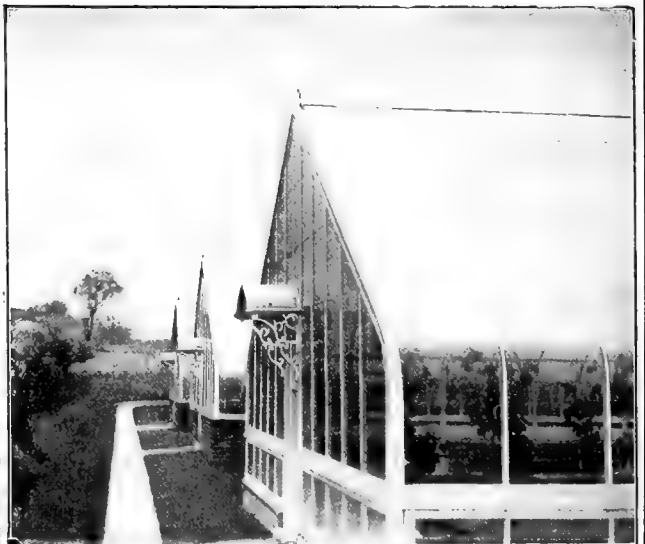
The **SERVICE BUILDING** is usually a source of great annoyance to the up-to-date gardener and it requires architectural ability to design appropriate **Potting Houses** that will add to the attractiveness of the Greenhouses. You will admit that this **SERVICE BUILDING** is unusually attractive. Its Old English Architecture is along the same lines as other buildings on this large estate; it is equipped with all modern improvements for the comfort of the gardener and his assistants and the connecting house, sixteen feet long (ample for propagating purposes), prevents the shading of adjoining houses.

Will be glad to talk to you on the **SERVICE BUILDING**.



WILLIAM H. LUTTON

West Side Avenue Station
JERSEY CITY, N. J.



ERECTED AT BRIDGEPORT, CONN.

THE BEAUTIFUL SYMMETRY of lines ONLY secured in THE LUTTON PATENTED CURVED EAVE IRON FRAME HOUSE is easily distinguishable. It is the ARTISTIC application to the small details that commands the attention of the most CRITICAL.

JUST note the construction of the HOOD over doorway. ITS SIMPLICITY and how IT HARMONIZES with the general appearance of the construction. THAT is only one of the details. Throughout the entire arrangement the same original mechanical ability is employed. THEN again this construction is patented, UNITED STATES PATENT NO. 902,155. A POSITIVE ASSURANCE of receiving the genuine successful CURVED EAVE. Write for more particulars.

HORTICULTURE

Vol. XVI.

NOVEMBER 30, 1912

No. 22



ATTALEA MAGDALENÆ

A beautiful specimen of this very rare palm now at the Huntington estate, San Gabriel, Cal., formerly owned by W. A. Monda. The plant originally came from Colombia, South America.



DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS
PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.
SUBSCRIPTION, \$1.00 PER YEAR



RED XMAS GOODS

Christmas is only 22 days off. Be sure your stocks of Red Florists' Supplies and Ribbons are complete. Don't delay ordering. There has been a tremendous rush for our

REAL RED CHRISTMAS GOODS

but we can still supply you promptly with

R^{ED}

Chiffons
Cycas Leaves
Cut Flower Baskets
Ferns
Ferneries
Natural Cape Flowers
Oak Branches
Pebbled Pleated Paper

R^{ED}

Paper Cape Flowers
Poinsettias
Poppies
Porto Rican Mats
Pot Covers
Ribbons
Ruscus
Waterproof Crepe Paper

All of the above goods can be had in the Real Xmas Red or in any other shade.

Let the "Willing Helper" Katalog help make your selections. **WRITE NOW**

M. RICE & CO., 1220 Race St., PHILA., PA.

THE LEADING FLORISTS' SUPPLY HOUSE AND RIBBON SPECIALISTS

LOBELIA CARDINALIS

Most Beautiful Flower of New England, Perfectly Hardy; Grand for Bedding; Brilliant Scarlet Flowers, Fine Strain of New Seed. 50c pkt. post paid.

Mt. Desert Nurseries Bar Harbor, Me.

NEPHROLEPIS

Fine grown specimen plants of the fancy varieties of this popular fern a SPECIALTY. We have a fine stock of *Elegantissima* in 6-inch pots at \$6.00 per dozen, and 8-inch at \$12.00 per dozen; also *Harrisii*, the convoluted form of *Bostoniensis*—the finest of all the Boston type—extra fine plants in 8-inch pots, \$12.00 per dozen.

For other varieties and sizes, write us for prices

F. R. PIERSON CO.

Tarrytown-on-Hudson, New York

SPIREA GLADSTONE
HELLEBORUS NIGER
DIELYTRA SPECTABILE
 FINE FORCING STOCK

Breck-Robinson Nurseries
 LEXINGTON, MASS.

Telephone Lex. 260.

FERNS FOR DISHES

Best Assorted Varieties, 2 1/4 in. pots.
 \$3.50 per 100; \$30.00 per 1000.
 500 at thousand rates.

Cash with order.

4911
Frank Oechslin, W. Quincy St., Chicago, Ill.

Palms, Ferns, Decorative and Foliage Plants
 Orders taken now for IMPORTED AZALEAS
 On hand a splendid stock of Ferns in leading sorts. Also Cocos, Asparagus for Jardinieres.

A. LEUTHY & CO.

Perkins Street Nurseries, Roslindale.—Boston, Mass

CYCLAMEN

Best strain in existence.

4 inch	.....\$35.00
5 inch	.....50.00
6 inch	.....75.00

THOMAS ROLAND, Nahant, Mass.

BOSTON FERNS \$3.00 per 100, \$30 1000

WHITMANI COMPACTA (New), to take the place of Whitman. A better commercial fern—2 1-2 in. \$6 per 100; \$50 per 1000.

ROOSEVELT, 2 1-2 in.; \$6 per 100; \$50 per 1000. 250 plants at 1000 rates.

H. H. BARROWS & SON, Whitman, Mass.

CARNATIONS

F. DORNER & SONS CO.
 LA FAYETTE, IND.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

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IT is surprising to find how florists locate their business. Some towns are as completely overloaded with florists as some are devoid of them. There are a few good towns in the U. S. A. without the proper kind of florists. I once called on a florist in a western town, because of an inquiry for bulbs. The town was large enough to support a good business, but after I had got on the scent and located my man, my first inclination was to get away and forget it. Upon second thought, however, I broke into the silent monotony. The greenhouses were old style—the kind with brick walls, which made them look like a cross between a pickle factory and a penitentiary. The proprietor suited the place. About the only shape he had was his Adams-apple, and that was hid largely by his beard, which he wore, I presume, because his wife bought his neckties. He was a nice old fellow and all that, but was not a benefit to the business. He grew Callas, and other greenhouse junk in the bulb line, all mixed in with “pinks” and lettuce, and on the whole it was one of those places which are a disgrace to the trade—just an old business barnacle. There are many good towns ready for lily florists to move into. There are also many towns overloaded, ready for live florists to move out of. There are good towns and bad towns. The good towns are generally made good towns by enterprising florists, and the best way to make a good florist town is to keep good flowers and get good prices. There is nothing which will kill a town quicker than cut-priced florists, because flowers are largely regarded as a luxury, and there is no such thing as a cheap luxury. Cheap prices for cut flowers does not pay anyone—does not increase trade enough to make the difference—and as an advertisement does not pay as well as the same amount invested in the daily newspapers. Good flowers, at reasonable prices, is what makes good flower towns. Good bulbs to produce good flowers at reasonable prices, is what makes good profits for the florists. **HORSESHOE BRAND LILY BULBS** are good bulbs—try them. Write now.

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CHARLES H. TOTTY

MADISON, N. J.

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Camellias

These plants are becoming more in favor each year and it is surprising how well they sell at the holidays. It must be borne in mind that camellias will not stand anything like hard forcing. They will be something really fine when afforded a temperature not in excess of 52 degrees at night. Be very particular with ventilation so as to give them plenty of air without cold draughts. Give them light in the greatest possible abundance; they like plenty of sunshine at this time of the year. Syringe frequently until the buds begin to expand. An even amount of moisture at the roots is very essential. Where the plants are very heavily budded it would be well to remove some of the weaker ones which will throw more strength into the remaining buds. Keep them turned around often and see that they have plenty of room between the plants to allow air and light.

Care of Fuchsias

Plants which have had a good rest can now be placed in a house with a temperature of from 55 to 60 at night, with a rise of 10 to 15 degrees on sunny days. Shorten the tops back to firm ripe wood and place them where they will be near the glass; this will induce them to make strong cuttings for propagation. When they have made a growth of two or three inches you can take a batch off and insert them in a propagating bed that has a bottom heat of about 65 degrees with about 10 degrees less top heat. Keep them moist and shaded and they will root in two or three weeks. When potting use either 2½ or 3-inch pots, giving turfy loam three parts, well-rotten manure one part, and leaf mold one part. Keep them shaded for a little while until they begin to take hold of the soil when they should be given all the sun and light possible, well up to the glass. Syringe on all fine days and keep the atmosphere moderately moist. These plants can be propagated right up to Feb. 1.

Daffodils for Early Forcing

Where you have a batch of these in flats that are well rooted it is not a bit too early to bring them in, so as to flower during January. You can bring them into a house where they can have about 55 degrees at night and in three or four weeks they should have a temperature of 65 degrees. To induce a reasonable length of stem they should be kept in complete darkness for two or three weeks, but after that they should have the shading removed gradually a little at a time, until they are exposed to full light. Place the flats where the heat from pipes will not reach them as they do not like bottom heat. When they start up with a vigorous growth of both top and root, they will want water in great abundance to produce good flowers and stems, for where they are allowed to suffer for moisture at the roots a certain percentage of the flowers will be no good. Where you have some room below benches in a cool house you should bring in a good number of flats and place them here. It will save a lot of disagreeable work later on when weather is very cold. The grower who has a cellar that

is just clear of frost can utilize it to good advantage for all such bulbs.

Forcing of Ixias

The forcing of these bulbs for either decorations or for cut flowers can be made a paying venture. You can use either 5 or 6-inch pots or pans in which place six or eight bulbs. Be sure to provide efficient drainage in each pot and use compost consisting of fibrous loam three parts, old manure one part, and leaf mold and sand one part. Press the compost firmly about the bulbs and when the potting is completed they can be plunged in coal ashes in a frame, where they can have protection from hard freezing. It is always a good plan to have the compost in a moderately moist state when planting the bulbs; then no water will be required until they commence to make some visible growth. When they have made a good growth they should be removed to a cool house and placed near the glass with an uninterrupted supply of light. Care in watering will be necessary at all stages of their growth, for ixias suffer materially when the supply of water is in excess of their requirements. When they show good signs of advancement they should have a temperature of from 50 to 55 at night with an increase of ten degrees more with sun heat. Don't ever think of hurrying these bulbs along with a high temperature as they will then prove a failure.

Hybrid Perpetual Roses for Easter

Well-grown hybrid perpetuals in pots will attract many buyers for this spring holiday so now is the time to begin on this line. Where you have not grown your own stock in pots all summer—which is the best—go to some near-by nurserymen and get a supply without delay. When potting them use from a 7 up to a 10-inch pot according to the size of the plants. For a compost use any good rose soil. Give each pot good drainage, for later on they will require plenty of water at the roots. Pot quite firmly so that every root will be compactly surrounded with soil. When you have them all potted give enough of water so it will penetrate every particle of the compost. They can then be put in some deep frame and enough strawy manure put over them to keep the frost from breaking the pots until it is time to bring them in for forcing. Good varieties are Magna Charta, Mrs. John Laing, Barroness de Rothschild, Anna de Diesbach, Captain Hayward, Gloire de Burgh la Reine, Frau Karl Druschki, Margaret Dickson, Captain Christy.

Sowing Candytuft

Now is a good time to sow some of this seed for pots and bench culture which will come in fine later on. Sow in pans or flats that have been well drained and filled with finely sifted loam, to which a little sand has been added. Press the surface smooth and water. On this sow the seed, covering enough so as to put the seed about three times their diameter deep. Stand in a house that is warm until the seeds begin to come up when they should be placed in a temperature of about 48 degrees at night and grown on. When large enough they can be pricked out in other flats or potted off.

Mr. Farrell's next notes will be on the following: Christmas Foliage Plants; Care of Fancy Pelargoniums; Decorative Ferns; Hybrid Tea Roses and Teas; Manetti Stock; Rhododendrons for Forcing.

LINCOLN
NEW YORK
BOTANICAL
GARDEN

DEC 4 1912

FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Melons

With the Christmas month with us once again melons can be sown from now on and with ordinary care a crop should be certain. From seeds sown December 1st, ripe fruit should be cut from the middle to the end of April. Subsequent sowings will develop a little faster with the increasing sun power. Twelve weeks is the smartest time made by the plants in the most favorable weather. Fruit to ripen through January, February and March will probably take sixteen weeks to develop. At this time of year there is always a tendency to crowd the seedlings amongst other stuff, with a consequent weakening of the plants, to commence with. Have your plants as strong as possible at the time of planting, which is equivalent to a good start in a short race. Sow the seeds singly in three-inch pots and give them every encouragement after coming through until they are planted. Hero of Lockinge is always a pioneer for early work and should be included in this sowing. Others which can also be given a chance are His Eminence, Best of All and Superlative.

Pot Peaches and Nectarines

December 1st is the date most fruit growers have to figure from, as this is generally the time when the earliest houses are started on. Some wait until the New Year, which makes the crop a few weeks later in finishing, but where fruit is required as early as possible start up a house of pot trees immediately. Peaches and nectarines are safe subjects to handle. Apples, pears, apricots, plums and cherries are best left until the New Year before starting. The trees can be placed at half-space if the room thus saved can be utilized for something else, otherwise place them so that no more shifting is required. If the trees are wet at the time of housing allow them to become half-dry and then go through them all with the rammer, firming the surface soil which may have been loosened by slight frosts and rains. Give the trees a temperature of 10 to 15 F. for a time, syringe them twice daily and warm the house up well with sun heat.

First Early Vinery

Start the first vinery December 1st to follow on after the pot vines. All cleaning, etc., having been done previously, all that remains to do is to tie the vines in position and close up the house. Old rods which are heavy enough in themselves to bend over when suspended by a string near the center will need no bending. It will be found they can be so tied that the top will nearly touch the border. Young and stiffer canes will need to be bent over to check the sap rushing to the top eyes, mak-

ing these produce extra strong growths at the expense of the lower ones. What is required is an even break and even growths throughout the vine. Vines bent thus will need changing over about every ten days, or those eyes that are on the top side will be stronger than the under ones. These being bent down near the glass will be a few degrees cooler than what the thermometer would register if it is placed in the center of the house. Syringe the vines twice daily with tepid water, no matter what the weather outside is and give them a night temperature of 40 to 45 degrees F. with the usual advance by day. Young vines which will not cover all the wires with foliage afford opportunity for pot trees to be grown underneath them.

Storing Vines

Young vines rooted last spring and intended for growing on next summer before forcing should be stored away in a cellar or cold frame where they can have an occasional watering and have some protection from the severe weather. Pack the pots in leaves to save breakage from freezing. Any stakes can be removed and the vines allowed to fall on the leaves. Avoid continual freezing and thawing out by leaving the protection on them if stored in cold frames.

Winter Packing

More protection will be needed around fruit and vegetables when being packed for shipping, as the colder weather demands. Line all boxes and packing cases with several additional thicknesses of paper. This must be on all four sides, not on the top alone. Do not leave packing cases exposed in an open wagon when being taken to the depot in the early morning when the mercury is away down.

Fig Houses

Figs are very sensitive things and any trees that are resting will need a careful regulation of the temperature; extremes either way will be injurious to them. They are easily started into growth; a few days in a warm house will put them on the move. Keep the roots a little moister than you would a vine or peach tree.

Protection for Vegetables

See that all vegetables stored in the garden or in cold frames have sufficient protection to make the effort worth while. Probably an additional supply of leaves or manure will be needed now that we are on the verge of the coldest part of the winter. Take advantage of any mild days to fill up the cellar, so that a quantity of vegetables so stored are easily accessible in even the worst weather.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Packing

Now that Jack Frost is lingering all around don't be too shy in putting plenty of newspaper into the boxes so as to insure all your cut flowers against the cold. Do not take any chances in this respect either, for we all know how suddenly the weather will change at times, often being nice and warm during the night when the roses are being packed and then changing to bitter cold around shipping time.

Here is another thing indispensable to the wholesale growers of roses, especially those who have to travel any distance to reach their shipping station. This article is only a piece of good canvas which comes in real handy in covering the boxes on cold or rainy mornings, where open wagons or motor trucks are used. With a good coat of linseed oil applied during the hot days of summer when perfectly dry, the canvas will last almost indefinitely. Procure a good heavy canvas while you are at it and you will have something you will not have to bother repairing all the time.

Roses Outside

By this time all roses outside will be pretty well nipped by frost and ready to receive their winter mulch of coarse manure, tobacco stems, or whatever is to be had. Mulch quite deep—say 4 inches—to keep the ground underneath from continually thawing and freezing. It is this that kills the plants during the winter months and not the frost itself. Greenhouse roses growing outside still have the ever-blooming blood in them and then as soon as a day or two of warm weather comes it seems to start the sap, and of course it will not do for sap to flow during the winter. The main point in wintering half-hardy roses, is to try to keep them dormant for the rest of the season after they go to sleep in the fall.

Ramblers in Pots

Many florists doing any retail business will find it very handy to grow a few ramblers in pots for the holidays. These can be grown inside all summer and then set outside in the early fall to ripen. Sink all the pots down level with the ground and make sure no water stands around the plants during showers and storms. Now that Jack Frost is here lift out all the pots thus plunged

and take them to some shed where it will be plenty cold enough, and yet not exposed to the weather. Get a lot of leaves and pack them around the pots to keep the frost from breaking them. It would not be wise to stack the leaves around the plants themselves as mice would be very likely to get in and girdle the bottom shoots, which would mean ruin. Give the plants hardly any water, only enough to keep them alive, and to keep the wood from shriveling. These can be brought into the houses any time that they may be wanted and will flower very well. Begin with a real cool house at first, increasing the temperature very gradually as the buds break and growth starts. Do not try to force ramblers inside unless they have had at least one good freezing; you will find plants that have not been frozen will not do nearly as good as plants that have had a freezing. Before bringing the plants in make sure they are perfectly clean, wash all the pots and spray the plants thoroughly with Fungine or some other good fungicide.

Clean Houses

Now that yellow leaves are more common than earlier in the season do not brush them all underneath the benches or syringe them back of the last bench. That is no place for them for they will only harbor bugs and insects injurious to plant life. Brush all the leaves out into the walks and then sweep them up and burn them. Heaps of old leaves and rubbish are not a credit to any place. No doubt rose growers scattered through the country districts could work up a large retail business if their places were kept just a little neater. Heaps of ashes, broken pots, glass, etc., should be disposed of and not allowed to remain lying around disgracing the place.

Old Plants in Six-Inch Pots

Now is a good time to dig up some of the old plants that you have had growing outside and hill them or else put them into a deep cold-frame pit. If this is done now the plants can easily be potted during the winter months and started next spring and kept going. These will be fine for selling to the retail trade after the season is too far advanced to make transplanting of rose bushes safe. You would be surprised at the large number of plants that can be sold at prices that not only pay for all labor, etc., but will yield a nice little profit besides.

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by advertising your goods in the

Horticulture

Publicity among the kind of readers reached by this paper is THE SORT OF PUBLICITY THAT PAYS.

HORTICULTURE

VOL. XVI

NOVEMBER 30, 1912

NO. 22

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To
 Canada, \$1.50.

ADVERTISING RATES

For inch, 30 inches to page..... \$1.00

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times), 5 per cent.; three months (13 times), 10
 per cent.; six months (26 times), 20 per cent.; one year (52 times),
 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at
 Boston, Mass., under the Act of Congress of March 3, 1879.

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of this special issue, is called for. All we need to say is that we have in prospect some very fine reading matter, and extra advertising of seasonable material by the leading horticultural houses, and we feel sure that our friends will do their part to show these advertising firms that in using HORTICULTURE as a publicity medium they have met with the approval of the best purchasing trade in the country.

The Massachusetts Horticultural Society has acted wisely and with commendable appreciation of services rendered in its unanimous election of J. K. M. L. Farquhar to

the highest official position it has to bestow. It is a high honor to be selected to serve as president of this great and worthy society; a distinction rightly coveted by many and one that has never been thoughtlessly handed out. Among the distinguished men whose names appear in the long list of presidents of the organization since its foundation none have come to the office with a better record of loyal, self-sacrificing service than the gentleman who for the coming year will preside over its destinies. We do not hesitate to say, further, that none have brought to the position greater zeal, or left a better record than will have been written into the Society's history when the time comes for President Farquhar to pass the responsibilities on to others' keeping. We look forward to a year of marked activity and of far-reaching influence under the new administration.

Are you
 Horticulture's friend?

Once in so often we take it to be our duty to our advertisers and to our readers, as well as to ourselves, to briefly call attention in this editorial department to the advertising section of this journal. There are those people who seem to consider it to be the proper thing to disparage the advertising—even to deprecate it as a department of a horticultural publication but, on the other hand, there are many who confess to imbibing as much genuine knowledge concerning progress and up-to-date conditions as regards horticultural achievement, from the advertising as from any other section of the paper. Try it for a while, you who have been accustomed to contemptuously ignore all advertising contents as beneath your notice, interested only in some disputatious controversy or the insignificant neighborhood gossip or small-talk of the market—read between the lines and open your eyes to the fact that back of these advertisements and the commercial enterprises they represent are the active brains and brawn of our profession. Intelligence, enthusiasm, ambition, foresight and diligence—all these are there apparent and their results exemplified. Were it not for what these advertising firms have done and are doing, where would our boasted horticultural development be? If it were not for the patronage of these advertisers where would HORTICULTURE be? Reader, if you like this paper and would be pleased to help towards its prosperity, take practical notice of its advertisers and demonstrate to them by the support you give them that you, too, are HORTICULTURE'S friend.

Your
 opportunity

Under date of December 14, 1912, the Eighth Anniversary Number of HORTICULTURE will be issued. To the thousands of intelligent readers who now have

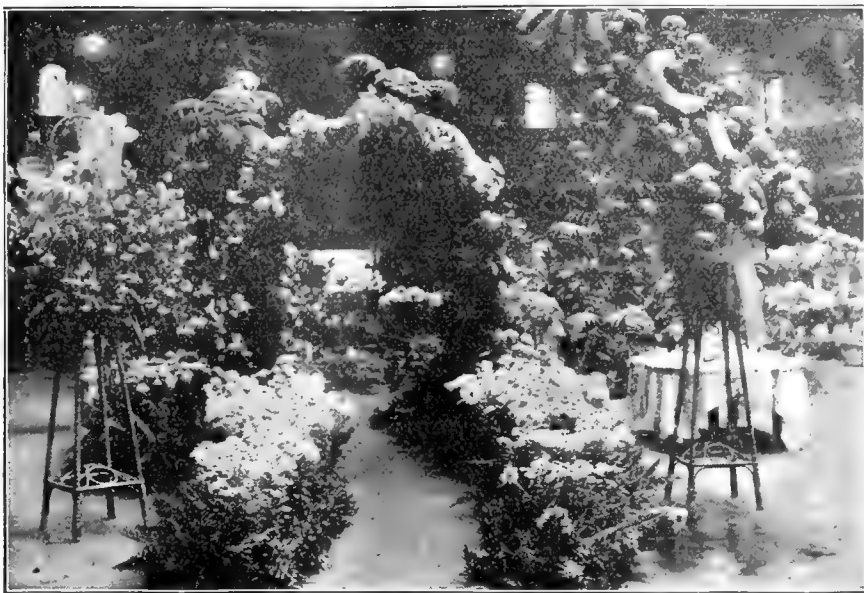
come to recognize in HORTICULTURE the highest standard of American horticultural journalism no loud-sounding proclamation of this fact or of the great publicity value

THE EXHIBITIONS

PORTLAND, ORE.

The accompanying pictures are from photographs of the first of a series of flower shows to be held in Portland, Oregon, occurring probably about every three months. The show just held was given in the interest of charity and was largely attended. A few amateurs made exhibits, but the display, as a whole, was assembled by professional florists, seedsmen and nurserymen. A new red carnation, the "J. N. Teal," was named in honor of one of

quality. The main exhibitors among Baltimore florists showing plants, flowers, designs, etc., were Hamilton, Cook, Moss, Graham, Welsh and Quick. Geo. Morrison, manager for Mrs. Henry Barton Jacobs won the majority of prizes on chrysanthemums with Philip B. Welsh pushing him hard for all the honors. Roses not numerous but Messrs. John Cook and Jas. Hamilton each had magnificent displays. Messrs. Hamilton, Cook, Moss and Morrison had splendid collections



VIEW IN THE PORTLAND SHOW

Portland's prominent citizens, and an exhibit that attracted much attention was a chrysanthemum grown by Louis W. Hill which had thirty or more varieties on one plant.

The Portland Commercial Club of which C. H. Williams is Press Bureau Manager, is active in promoting these commendable horticultural enterprises.

MARYLAND HORTICULTURAL SHOW.

The exhibition of the Maryland Horticultural Society, held last week, was of unusual interest and the attendance was about 15,000. The exhibit of fruit showed that the growing of apples is becoming a great industry. Experts from abroad declared finer York Imperials, Ben Davis, Grimes' Golden, Gano, Rome Beauty and Rhode Island Greenings have never been shown than at this show. All sections of the state had apple displays and the tide-water counties of Southern Maryland where only a few years ago it was thought apples could not be grown, made the finest showing, more than equaling the famous mountain apple districts of Western Maryland. Potatoes of wonderful excellence from various parts proved that the state is becoming famous in growing the potato. It was quite a revelation and means that potato growing is to become an important crop in this state in the near future.

The flower exhibit did not equal some previous shows in quantity or

quality. The main exhibitors among Baltimore florists showing plants, flowers, designs, etc., were Hamilton, Cook, Moss, Graham, Welsh and Quick. Geo. Morrison, manager for Mrs. Henry Barton Jacobs won the majority of prizes on chrysanthemums with Philip B. Welsh pushing him hard for all the honors. Roses not numerous but Messrs. John Cook and Jas. Hamilton each had magnificent displays. Messrs. Hamilton, Cook, Moss and Morrison had splendid collections

of rare plants which added interest and beauty to the show. The park board, under the direction of Jas. Boone contributed the center decorations, which consisted of mammoth rare palms and other tropical plants effectively grouped. The exhibits of Dairy and Bee Keepers' societies and Granges were distinctive features that added much to the credit of the show.

E. P. Cohill was elected president. Robt. L. Graham was elected vice-president and I. B. Symons re-elected secretary.

OHIO HORTICULTURAL SOCIETY.

Cleveland's big flower show proved to be a pronounced success. The attendance for the three regular days was 9,500 people and on the fourth day, which was an extension of the original time, 4,000 more visitors were counted. The managers are naturally very much elated over the outcome of their efforts, and the Ohio Horticultural Society announces that in consequence of this most encouraging start shows are to be held semi-annually hereafter. Among the sensational exhibits were the new roses Mrs. Chas. Russell from Waban Rose Conservatories, Natick, Mass., and Milady, from A. N. Pierson, Cromwell, Conn.

The gold medal and silver cups offered as sweepstakes prizes were distributed as follows:

Chrysanthemums, gold medal offered by Harry F. Mitchell of Philadelphia, won by Charles H. Totty of Madison, N. J. The same man won the Cowell & Hubbard Co. cup for the best fifty rose blooms and the Charles A. Otis cup for the best twelve blooms of various varieties of chrysanthemums.

The Webb C. Ball cup for carnations and the William E. Telling cup for another brand of carnations were both won by John D. Cockcroft.

The Waban Conservatories, Natick, Mass., took the Bowler & Burdick Co. cup and E. G. Hill won the Morehouse Co. cup. Elmer D. Smith of Adrian, Mich., was awarded the Harry Balsley cup of Detroit.

J. M. Gasser Co. of Cleveland, the only local florist to take a cup, received two trophies, the Sigler Bros. cup for roses, and the J. C. Moninger, Chicago, cup for the dealer who made the greatest number of entries. The Advance Co., Richmond, Ind., cup was won by Carl Hagenburger of Mentor, O. F. R. Williams Co., Hart Bros., Knoble Bros., C. W. Wagner and Jones Russell Co., all of Cleveland, Poehl-



VIEW IN THE PORTLAND SHOW

mann Bros., Morton Grove, Ill., and Chicago Carnation Co., Joliet, Ill., were also well represented in the list of awards in various classes.

The 46th annual meeting of the Minnesota State Horticultural Society will be held in Minneapolis on Dec. 3, 4, 5 and 6, in the Court House, with a fruit show annex. Provision is made for discussions on all branches of horticultural industry. The program is a splendid one and should bring out a large attendance. The annual banquet will be held on Thursday evening, Dec. 5.

THE NEW GOLD MEDAL ROSE MRS. CHARLES RUSSELL

This Giant Forcing Rose is an American Seedling raised at the WABAN ROSE CONSERVATORIES, and has been tested in our houses for several years. It has proved to be a strong, vigorous grower, and its freedom of bloom is remarkable for a rose that is FULLY AS LARGE AS AN AMERICAN BEAUTY.

With its large pointed buds of a clear rose pink and delightfully sweet fragrance, it is the admiration of all who have seen it, either growing in our houses, or as exhibited by us at the different shows.

IT HAS RECEIVED HIGH HONORS when exhibited at such centres as Philadelphia, New York and Boston. At the latter place the Massachusetts Horticultural Society honored it with a GOLD MEDAL, a rare distinction from this conservative society.

Plants will be ready for delivery after March 1, 1913

OWN ROOTS:—\$30 per 100 ; \$250 per 1000 plants.

GRAFTED STOCK:—\$5 per 100 plants extra.

WABAN ROSE CONSERVATORIES NATICK, MASS.

CHICAGO NOTES.

Mrs. E. H. Hunt is quite ill at her home in Park Ridge.

Mrs. Phil Schupp is making an extended visit to Kramer, Indiana.

Harry Klunder has taken a position with the Hill, Heller Co., Cincinnati, O.

D. S. Erickson has opened a retail store at 5736 W. Madison street, Chicago.

Peter Sinner still visits the hospital each night for treatment and his arm is slowly improving.

Paul M. Bryant is no longer in charge of the advertising department of the Foley Manufacturing Co.

Local growers have disposed of all their chrysanthemum plants leaving the close of the season entirely to the cut blooms.

Hoerber Bros. have been very successful in growing some of the largest chrysanthemums seen here this season. Their Nagoya were magnificent specimens. This is a great favorite here for its good size, form, color and shipping qualities.

The A. Henderson Co. has just received a shipment of spirea clumps from Holland for Easter blooming. This firm is finding a very heavy demand now for cold storage lily of the valley, for Christmas forcing. Mr. Henderson says invoices indicate an advance of two dollars per 1000 over prices last year in Germany.

In the office of J. A. Budlong were seen fine specimens of My Maryland and Mrs. Jardine, roses side by side, both grown by this firm. The latter with its beautifully curled petals rather carried the day for beauty and fragrance but they were surpassed by the

good shipping qualities of My Maryland and its greater freedom of bloom.

One of the busiest places in the wholesale market was that of Wietor Bros. where six men were needed to fill the shipping orders Monday. Some fine Bonfire carnations were noted and in speaking of the scarcity of carnations at this time Mr. Wietor remarked on the fact that so many of the varieties were no longer dependable and that so few introduced in the past eight years had been a success.

The demand for immortelles seems to have fallen off to some extent and those handling this old time favorite of the retail store attribute it to the high prices that have prevailed in the west and also to the advent of its rival, the ruscus. However, Chicago retailers find plenty of use for it in making Christmas wreaths, bells and other things requiring a compact material and ruscus will never take its place.

For so early in the season, very fine specimens of azaleas are seen in the stores. It is more than likely that the early plants will be the best as the later stock is not so good. This confirms the report from Belgium that the September frost injured the late stock to such extent that many growers were obliged to cut down or cancel orders. Very fine plants of Simon Mardner and Madam Petrick are now in the windows for Thanksgiving.

Visitors—Mr. Heller of Hill, Heller Co., Cincinnati, O.; Mr. Dooley of St. Louis, Mo.; Edw. Amerpohl Janesville, Wis.; C. A. Rice of Rice Bros., Minneapolis, Wis.; John Bergstrom, Rockford, Ill.; C. B. Knickman, representing McHutchison & Co., New York.

PHILADELPHIA NOTES.

We are glad to see our old friend, George Anderson, on the Rialto once more. He has been under the weather for six weeks.

J. Otto Thilow gave an illustrated lecture at the Masonic celebration on the 27th inst. Many prominent florists attended on the invitation of ex-Mayor Wm. B. Smith. Besides the floral subject of Mr. Thilow there was an organ recital and other features appropriate to the occasion.

A Christmas brochure has just been issued by the Rice Co. full of the latest and best in holiday supplies; well illustrated; well printed; and very artistically arranged. This will bring prompt returns beyond a doubt and reflects credit on Mr. Bowers, professor of publicity, and other things.

In the latest issue of their interesting weekly, the Pennock-Meehan Co. have the following announcement:

To Our Southern Customers:—Our Washington branch is now located at the new Pennock-Meehan Building at 12th and H streets, N. W.; built and fitted up expressly for the wholesale cut flower business and unsurpassed for up-to-date facilities by any other establishment. We extend a cordial invitation to the trade to call and look us over. W. E. McKissick, manager, and his assistants, will be glad to do the honors.—Pennock-Meehan Co.

We have looked over the new building. It is certainly a model.

The great question here at present is an engineering question, namely, how to get the waste heat from the chimney. Fred Doran, an expert engineer; Dennis T. Connor, another sharp; John Burton, a practical florist; John Westcott, student and philosopher; have all meditated on this

Dreer's Cibotium Schiedei



We have over 20,000 square feet of glass devoted to this valuable decorative plant and can supply stock that will please you, both as to quality and price.

Splendid plants in 6 inch pots	\$1.50 each
Splendid plants in 8 inch tubs	2.50 each
Splendid plants in 10 inch tubs	\$3.50 to 5.00 each
Splendid plants in 12 inch tubs	\$6.00 to 10.00 each

MISCELLANEOUS FERNS

Nephrolepis Scottii.....	6 inch pots 50 cts. each
Nephrolepis Scholzei.....	6 inch pots 50 cts. each
Adiantum Farleyense.....	3 inch pots 25 cts. each
Adiantum Farleyense.....	5 inch pots 75 cts. each
Mixed Ferns for Dishes. All of the standard varieties, in good plants, from 2½ inch pots, \$3.50 per 100; \$30.00 per 1000.	

HENRY A. DREER, Inc., 714 Chestnut St., PHILADELPHIA, PA.

The above prices are intended for the trade only

thing. They have argued for hours, pro and con. How they are going to catch the waste heat and yet save the draft for which the stack was built, "deponent saith not." But they all seem confident it can be done. The idea apparently is to produce more flowers and cheaper flowers. But that's not the crying need of the day in the opinion of your correspondent. The great problem is to find new markets for flowers of all kinds—distribution, not production, is the question now.

Visitors: W. J. Dulaney, J. Chas. McCullough, Cincinnati, Ohio; Harry May, Summit, N. J.

PERSONAL.

John Leach, Jersey City, N. J., has just returned from an extended European trip.

H. G. Evans has accepted a position as designer and decorator for H. E. Reimers, Spokane, Wash.

Max Villars is now employed by Henry Pfister, 1120 Connecticut avenue, N. W., Washington, D. C.

Stanley Fisher, son of Peter Fisher, Ellis, Mass., was married recently to Miss Jennie Hubbard of Norwood.

Paul Applegreen is now manager for the H. F. Michell Co. greenhouses and trial grounds at Andalusia, Pa.

Thomas B. Wilson, formerly with A. B. Dick, Lake Forest, Ill., is now head gardener for A. Monell, Tuxedo Park, N. Y.

John Doig, formerly of West Manchester, Mass., has accepted the position of gardener to E. J. Hickey, Detroit, Michigan.

J. W. Rodgers, formerly superintendent of parks at Cincinnati, O., has bought a controlling interest in the Miami Floral Co., Dayton, O., and becomes manager.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS

A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and Descriptive Catalogue for the asking

THE BAY STATE NURSERIES, North Abington, Mass.

Perfect Plants for Particular Patrons

BEGONIAS Lorraine and Glory of Cincinnati, all sizes, hard, cool grown, 3½ in. up to 12 in. pans.

SMALL FERNS All varieties, grown cold, tough and durable, 2½ to 3½ in., \$4.00 per 100.

A. M. DAVENPORT - Watertown, Mass.

GERANIUMS

Flowering plants, ready for immediate shipment. Well rooted from 2¼ inch pots, ready for repotting into 3 inch. All stock first class.

5000 S. A. Nutt	\$2.25
500 Alphonse Ricard	
500 Beaute Poitevine	
1000 Mme. Salleroi	20.00
200 Rose Geraniums	
200 Ivy Geraniums	

300 Double Lobelia, \$2.00 Per 100
500 Dracaena Indivisa, 3 inch pots, fine plants, \$5.00 per 100

Cash With Order, Please

Magnus Pierson
CROMWELL, CONN.

BAY TREES

WINDOW BOX EVERGREENS.

Breck - Robinson Nurseries
LEXINGTON, MASS.

Telephone Lex. 260.

BEST PALMS

All Varieties. All Sizes.
Send for Price List.

Joseph Heacock
Wyncote, Pa.

LOECHNER & CO.

JAPANESE LILIES
LILY OF THE VALLEY PIPS
PALMS, AZALEAS, &c.

11 Warren Street, New York, N. Y.

Write for quotations

BULBS and HARDY PLANTS

Contracts made for Seed Growing

Send for full list

E. S. MILLER, WADING RIVER, N. Y.

ROSES

From 3-inch pots—strong, own root.

Lady Hillingdon, fine stock, Grafted, \$25.00 per 100; Own Root, \$15.00 per 100.

Double Pink Killarney, Radlance, Mrs. Taft, Mrs. Wardell, My Maryland, Harry Kirk, \$10.00 per 100.

Pink Killarney, White Killarney, Kaiserin Augusta Victoria, Richmond, Perle, Sunrise, Sunset, American Beauty, \$8.00 per 100.

Bride, Bridesmaid, Bon Silene, La France, Grues an Tepits, Clothilde Souper, Souvenir de Wootton, \$7.00 per 100; \$60.00 per 1000.

Grafted, 3-inch pots.

Mrs. Taft, Pink Killarney, Maryland, Mrs. Wardell, Kaiserin, Bride, Bridesmaid, \$15.00 per 100.

Wood Brothers
FISHKILL, N. Y.

10,000

TABLE XMAS TREES

(NORWAY SPRUCE) 15 to 18 inches

\$3.00 per doz. \$15.00 per 100

bushy, nicely rooted, and a sure thing to sell.

ADOLF MÜLLER
De Kalb Nurseries
NORRISTOWN, - PENN.

ROSES OWN ROOT

All the leading varieties for Forcing.

Breck-Robinson Nurseries
LEXINGTON, MASS.

Telephone Lex. 260.

Nursery Stock

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 216 Jane St. Weehawken Heights
P. O. No. 1, Hoboken, N. J.

MISTLETOE

RICH IN BERRY.

Foliage good green. 5 lb. box, \$2.00; 10 lb. box, \$3.50; 20 lb. basket, \$6.00. Cash with order. We prepay express and guarantee stock reaches you fresh and in good condition.

A. B. SILLIMAN & CO.
BOONE, IA.

HERE IN NEW ENGLAND

ROSE STOCK is of guaranteed quality

MILADY has won certificates from the best shows in the country. *The winner in the novelty class at St. Paul, Minnesota.*

MRS. CHAS. RUSSELL, the sensation of the year and

MRS. GEO. SHAWYER, the new pink forcing rose. The best of the older varieties to make a complete assortment of the best varieties.

CHRYSANTHEMUMS for commercial growing. Pompons and Single Chrysanthemums.

BEDDING STOCK FOR SPRING

We are booking orders now. Our catalog will be mailed about January 1st. Get your name on our mailing list.

A. N. PIERSON, Inc.

CROMWELL, CONN.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS PLANTS, EVERGREENS, ROSES, RHODODENDRONS, VINES AND CLIMBERS, AUTUMN BULBS AND ROOTS, CONIFERS, PINES

Florists are always welcome visitors to our Nurseries. We are only a few minutes from New York City; Carlton Hill Station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists

Rutherford, N. J.

HARDY RHODODENDRONS

APPLY TO

JOHN WATERER & SONS, Ltd.

American Nurseries, - Bagshot, Surrey, England

For lists of best kinds, and also for other ornamental shrubs

FRAMINGHAM NURSERIES
SOUTH FRAMINGHAM, MASS.
U-GET-A
—DEAL—

W. B. WHITTIER & CO.,
SOUTH FRAMINGHAM . . MASS.
GROWERS OF HIGH GRADE NURSERY STOCK
LARGE ASSORTMENT
WRITE FOR PRICES BEFORE ORDERING ELSEWHERE

GOODSELL'S GRASSES SELL GOOD

For autumn sowing and exceptional results few equal. *Quality and prices beyond comparison. Get down to the turf.*

Write for List and Reserve Your Order

P. H. GOODSSELL

200 Broadway, NEW YORK CITY

Bulbs for Forcing

BEDDING AND NATURALIZING. We have made arrangements with the leading growers to have our bulbs specially selected.

W. E. MAYNARD

Manager Sales Department
157-159 William Street (Basement)

BODDINGTON'S BULBS BLOOM

Important to our Customers When we buy HOLLAND BULBS we buy what is termed FLORISTS' STOCK, NOT SEED HOUSE STOCK. THERE IS A DIFFERENCE

REMEMBER YOU MAY DEDUCT 5 PER CENT IF CASH ACCOMPANIES ORDER

Preliminary offer of surplus bulbs. We have smaller quantities on hand of other varieties, (see our catalog) and write for special quotation.

HYACINTHS

Named varieties, our selection, White, Pink, Yellow, Light Blue, Dark Blue, Red.

Top roots.....	\$8.00 per 100
1st Size.....	6.50 per 100
2nd Size.....	4.75 per 100

DUTCH MINIATURE HYACINTHS

13 to 15 centimeters.....	1000
1500 Czar Peter. Light porcelain blue.....	\$18.00
1500 Grand Blanche. Pure white.....	17.50
1000 Grandeur a Merveille. Blush white.....	16.00
1500 King of Blues. Dark blue.....	18.00
1000 La Peyrouse. Porcelain blue.....	16.50

SINGLE NAMED TULIPS

1500 Couleur Ponceau. Rich cerise.....	7.50
5000 La Reine. White, slightly rose shaded.....	7.50
6000 Rosamundi Huikman. Bright pink.....	8.00
3500 Vermillion Brilliant. Brilliant scarlet.....	16.00
9000 Yellow Prince. Pure yellow.....	8.00
Prince of Austria. Orange vermilion.....	14.00
Sir Thomas Lipton. Brilliant scarlet.....	26.00
9000 Superfine Mixed. Single Tulips.....	7.00
Parrots Mixed.....	7.50

DOUBLE TULIPS

1000 Couronne d'Or. Yellow tinged with old gold....	16.75
5000 Murillo. Magnificent blush white.....	10.00
1000 Salvator Rosa. Deep rose.....	15.00
750 Titian. Double red.....	15.00
1000 Venerbook. Brilliant orange scarlet.....	16.75

MAY-FLOWERING TULIPS

1000 Bizarres.....	\$9.00
8000 Bouton d'Or.....	11.50
5000 Gesneriana macrophila.....	8.75
5000 Gesneriana spatulata or major.....	11.50
2000 Isabella, or Shandon Bells.....	9.00
5000 Maiden's Blush.....	10.00
1000 Boddington's Quality Superfine mixture May-flowering Tulips.....	7.50

Wholesale Florists' Catalogue of full line of Bulbs, giving descriptions and prices, may be had on application. Write for a copy today

ARTHUR T. BODDINGTON

Seedsman

342 West 14th St., New York City

VON SIONS and DOUBLE NARCISSI

5000 Von Sions, XX. Very large.....	1000
5000 Von Sions. Extra first size single nosed.....	\$20.50
3000 Von Sions. First size single nosed.....	16.00
4000 Von Sions. Second size.....	13.50
2000 Alba Plena odorata.....	10.00
2500 Orange Phoenix.....	6.50
2000 Sulphur Phoenix.....	9.00
5000 Mixed Choice Double Varieties.....	10.00
	8.00

SINGLE NARCISSUS TRUMPET VARIETIES

2000 Barrii Conspicuous.....	6.50
3000 Golden Spur. First size X.....	14.00
6000 Golden Spur. Mother bulbs XX.....	21.00
5000 Golden Spur. Extra mother bulbs XXX.....	24.00
5000 Princeps. First size X.....	7.00
8000 Princeps. Mother bulbs XX.....	8.50
5000 Choice Single Mixed Trumpets.....	9.00

NARCISSI, VARIOUS

1000 Incomparabilis Figaro.....	\$5.50
1000 Incomparabilis Stella.....	6.75
1500 Incomparabilis Cynosure.....	7.50
2000 Leedsii, Mrs. Langtry.....	6.00
1500 Leedsii, Queen of England.....	5.50
5000 Jonquils Rugulosus. Very fragrant.....	6.50

FREESIA REFRACTA ALBA

5000 Mammoth Bulbs. $\frac{1}{2}$ to $\frac{3}{4}$ in. in diameter.....	\$10.00
5000 Monster Bulbs. $\frac{3}{4}$ in. and up in diameter.....	12.00

SPANISH IRIS

6000 Alexander von Humboldt.....	3.50
6000 Blanche Fleur.....	3.50
8000 British Queen.....	3.50
3000 Cajanas.....	3.50
3000 Chrysolora.....	3.50
4000 ALLIUM Neapolitanum.....	4.50
700 LUTECUM.....	4.00
5000 CHIONODOXA Lucillae. First size.....	7.00
3000 CHIONODOXA Sardensis. First size.....	6.00
3000 CHIONODOXA Gigantea.....	7.50
15,000 SCILLA Sibirica or Praecox. Top roots.....	8.00
10,000 SCILLA Sibirica or Praecox. Large bulbs....	6.75

HOLLY BOUQUET GREEN IMMORTELLS

Write for prices.

A. HENDERSON & CO.
352 N. Michigan Ave. CHICAGO

CHILDS' GLADIOLI

are noted the world over for

SUPERIOR MERIT

John Lewis Childs
FLOWERFIELD, L. I., N. Y.

Berlin Valley Pips

HIGH GRADE QUALITY

From New York Cold Storage.

Packed 2000 per case.

\$15.00 per 1000 F.O.B. New York

Cash with order unless
approved credit

McHUTCHISON & CO.
THE IMPORT HOUSE

17 Murray Street, NEW YORK

AUGUST RÖLKER & SONS

Import for the wholesale trade:

AZALEAS, PALMS, RHODODENDRONS,
BAYTREES, ROSES, LILACS, HOLLAND
AND JAPAN BULBS, LILY OF THE
VALLEY, ETC.

P. O. Box 752 or 31 Barclay St., NEW YORK

ARAUCARIAS, PALMS, RUBBERS AND FERN BALLS

SEND FOR PRICES

Godfrey Aschmann

Wholesale Grower and Importer
1012 W. Ontario St., PHILADELPHIA, PA.

In writing to Advertisers kindly mention Horticulture

Headquarters for Christmas Greens

Orders Booked Now for Later Delivery

HOLLY (Loose).
Michell's Superior Quality.
Selected Quality.

1/4 case.....	\$1.50	5 cases....	\$18.75
1/2 case.....	2.75	10 cases....	55.00
Full case....	4.00		

Extra Selected Quality.

1/4 case.....	\$1.75	5 cases....	\$22.50
1/2 case.....	3.00	10 cases....	42.50
Full case....	5.00		

HOLLY WREATHS. Per 100
Extra fine grade.....\$11.00
Michell's "Special," made up..... 12.00
Michell's Extra "Special"..... 15.00

MISTLETOE (Native).

1/4 case.....	\$3.00	Full case (16	
1/2 case.....	5.50	cubic feet).	\$10.00

MISTLETOE (Mexican).

50c. per lb.
Box of 50 lbs. at 40c. per lb.

CUT BOXWOOD (Fresh).

Per 50 lb. box, \$7.00.

SPHAGNUM MOSS.

Clean and Selected (Dry).

Per barrel bale	\$0.60
Per 5-barrel bale	2.00
Per 3 5-barrel bales.....	5.75

LAUREL WREATHING.

First Quality.

50 yard lots.....	4 1/2 c. per yard
100 yard lots.....	4 c. per yard
500 yard lots.....	3 1/2 c. per yard
Michell's extra heavy special, made up.	
25 yard lots.....	5 c. per yard
100 yard lots.....	4 1/2 c. per yard
1000 yard lots.....	4 c. per yard

LYCOPODIUM (Ground Pine).

Loose for making up.

5 lb. lot....	\$0.60	50 lb. lot...	\$4.75
10 lb. lot....	1.10	100 lb. lot...	9.00

LYCOPODIUM WREATHING.

10 yds. 100 yds.

Extra fine quality.....	\$0.70	\$6.50
Michell's "Special," made		
up	1.00	9.00

LYCOPODIUM WREATHS.

12 inch, 30c. each; per doz., \$3.25.

CHRISTMAS BELLS.

Made of Red Paper.

	Doz.	100
6 inch diameter.....	\$0.65	\$5.00
8 inch diameter.....	1.00	8.00

MOSS (Green Lump).

Bbl. bag, \$1.25; 5 bbl. bag, \$6.00.

SHEET MOSS.

Per barrel sack.....\$2.50

MICHELL'S SEED HOUSE

518 Market St., Phila., Pa.

Send for Our Latest Wholesale Catalogue

POINSETTIAS 2 1-2 in. strong, \$5 per 100;
\$45 per 1000
CYCLAMEN SEED the celebrated English
strain, \$9 per 1000
PANSY SEED, home-grown, finest giant
strain, \$5 per oz.

Send for Catalogue.

S. S. SKIDELSKY & CO.

1215 Betz Bldg. Philadelphia.

CHOICE SEEDS

FOR PRESENT PLANTING

SHAMROCK, TRUE IRISH, PER OZ., \$1.00

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

Seed Trade

Keeping Onions Over Winter.

When I was a boy my father sent me with a load of onions to Chicago, which was twenty-five miles away. He measured up about thirty bushels, but I brought back pay for about sixteen bushels. Father wanted an explanation. They were sold by weight and as it was spring they had shrunk in the cellar about one-half.

When I had a garden of my own one year, I had a splendid crop, and remembering our experience I determined to keep them plump. I pulled and dried them in due time, and late in the fall dug a shallow pit where the drainage would be good. I then put in a layer of onions, next a layer of earth till the pit was full and then kept on a little above the surface of the earth making something of a mound. It does not hurt onions to freeze, provided they are well covered with earth. I think the pit froze to the bottom or nearly so. When spring came and the frost was out I took up the onions, and they were as full and plump as when first dug.

I have spoken of this process to onion growers and they have used it successfully. It does not take long and there seems no other process for keeping them from shrinking. They

should not be left too long in the pit, for they might grow. Preserved in this way they bring the highest price—often twice as much as if sold in the fall—and then there is no loss from shrinkage.
C. S. HARRISON.

Notes.

New York, N. Y.—The MacNiff Horticultural Co., seedsmen and auctioneers, expect to move to 56 Vesey street about January 1. They will have a whole building at the new location.

All the principal centres are cleaned up on fall bulbs this year to an extent heretofore rarely experienced. There will be no surplus offers this season for those who have been in the habit of waiting for such.

At the Corn Exhibition in Boston the celebrated Swedish grain for which Loechner & Co. of New York are sole American agents was exhibited by the American Seed & Implement Co., of Boston and created much interest.

Large shipments of lily of the valley pips reached New York last week. It would appear that the Germans are exercising prudence in view of the possible outbreak of a general European war as in other years the bulk of such shipments came in two or three weeks later.

A MESSAGE OF INTEREST FROM BRASLAN

Henceforth, the Braslan Seed Growers Company, Inc., will concentrate on the growing of its specialties.

Henceforth, a full 90 per cent. of our seeds will be produced under our own personal supervision on our own leased lands. We have learned that this is the only plan by which the quality of our seeds may be maintained and improved upon.

This New Policy goes into force at once. The present management of the Braslan Company desires to conduct a business capable of rendering efficient, satisfactory **Service.** Lopping off the dead wood that retards the growth of the otherwise vigorous plant, is the only business-like method of securing this result.

The Braslan Seed Growers Company, Inc.

**SAN JOSE,
California, . U. S. A.**

We are now booking orders for 1913 delivery on the principal varieties of ONION, LETTUCE, CARROT, RADISH, MUSTARD, SWEET PEAS, ETC.

JUMBO CHINESE LILIES

The largest bulbs ever imported into this country; the sure flowering kind. Send for a mat of 120 today for your retail florist store.

Mat 120 bulbs \$7.20 Basket 30 bulbs \$2.00

Stumpp & Walter Co., 50 Barclay St., N. Y.

PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds }

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO ONION SETS
Write for Prices

Special Prices

Single Named Hyacinths

Your Choice of Colors.

Second Size.....\$4.00 per C.
First Size..... 5.00 per C.
Exhibition Size..... 5.50 per C.
Unnamed separate colors... 1.90 per C.
Narcissus Empress Double
Nose 1.35 per C.

To secure these prices mention this Paper.

James Vick's Sons

ROCHESTER, N. Y.
(The Flower City,)

TOMATO SEED

BEST STOCKS. ALL VARIETIES.

The Haven Seed Co.

Growers for Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

Burpee's Seeds

PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.

Place Your Order Now For
AYRES' WINTER FLOWERING
SWEET PEA SEED

For Fall Delivery

S. BRYSON AYRES CO.

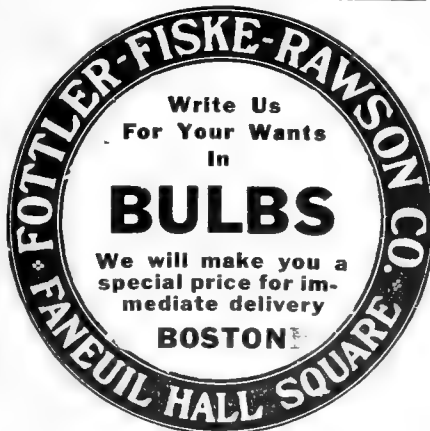
"Renowned Sweet Pea Specialists"

Sunnyslope Independence, Mo.

GARDEN SEED

BET, CARROT, PARSNIP, RADISH and
GARDEN PEA SEED in variety; also other
items of the short crop of this past season,
as well as a full line of Garden Seeds, will
be quoted you upon application to

S. D. WOODRUFF & SONS, 82 Dey St., NEW YORK
and Orange, Conn.



BULBS

Plant Now--All Sound
Gladiolus Peach Blossom

Per 500, \$5.00; Per 1000, \$9.00

O. V. Zangen, - Hoboken, N. J.

BULBS

For Fall Planting

Price List for the Asking

The W. W. Barnard Co.

231-235 W. Madison St., CHICAGO

The Everett B. Clark Seed Co.

GROWERS FOR THE TRADE

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan MILFORD, CONN.
and Wisconsin

SEED PACKETS

Write for Samples
and Prices.

THE BROWN BAG FILLING MACHINE CO.
FITCHBURG, MASS.

In ordering goods please add "I saw it
in HORTICULTURE."

LILIES

Lilium Myriophyllum Lilium Sargentiae

The bulbs of these magnificent new Lilies are now ready for delivery. For the best results next year, they should be planted at once.

Price \$1.50 each, \$15.00 per doz.

R. & J. Farquhar & Co.
Boston, Mass.

Thorburn's Seeds

Florists will be interested in our unusually comprehensive selection of high class seeds this year.

Wholesale Price List
Ready in January.

J. M. THORBURN & CO.

110 years in business in New York City
33 Barclay Street - - New York

J. BOLGIANO & SON

WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

Write For Our Low Prices

LIGHT, PRATT and ELLICOTT STS.
BALTIMORE, MD.

NEW CROP

English Mushroom Spawn
JUST ARRIVED

\$8.00 per 100 POUNDS

WEEBER & DON

Seed Merchants and Growers.

114 Chambers Street, New York City

GET IT FROM

Oklahoma Seed Growers Co.

1912 SURPLUS LIST OF

Watermelon and Muskmelon Seeds
Enid - - Oklahoma

TIME TO USE

MASTICA

We are the Boston Agents

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Florists' Telegraph Delivery

(Retailers' Section—S. A. F. & O. H.)

Mutual Discounts 20 per cent.

Provision for Guaranteed Accounts

Write for particulars to **ALBERT POCHELON**, Secretary, 153 Bates St., Detroit, Mich.

LIST OF MEMBERS.

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 Bloomington, Ill., 318 N. Main St. Washburn, A. & Sons
 Boston, Mass., 342 Boylston St. Carbone, Philip L.
 Boston, Mass., 43 Bromfield St. Penn, Henry
 Buffalo, N. Y., 304 Main St. Palmer, W. J. & Son
 Chicago, Ill., 2223 W. Madison St. Schiller, The Florist
 Chicago, Ill., 31st and Michigan Ave. Smyth, W. J.
 Chicago, Ill., 22 E. Elm St. Wienhoeber Co., Ernst
 Cincinnati, Ohio, 138 E. 4th St. Baer, Julius
 Cincinnati, Ohio, 150 E. 4th St. Hardesty, T. W. & Co.
 Cleveland, Ohio, 5523 Euclid Ave. Graham, A. & Son
 Cleveland, Ohio, 1284 & 1308 Euclid Ave.
 The Jones Russell Co.
 Cleveland, Ohio, 1836 W. 25th St. Knobler Bros.
 Colorado Springs, Colo. Crump, Frank F.
 Council Bluffs, Iowa, 321 Broadway Wilcox, J. F. & Son
 Danville, Ill. Smith, F. B. & Sons
 Dayton, Ohio, 112 South Main St. Heiss Co.
 Denver, Colo., 1643 Broadway The Park Floral Co.
 Detroit, Mich., 153 Bates St. Bomb Floral Co., The L.
 Detroit, Mich., Gratiot Ave. and Broadway
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 Galesburg, Ill. Pillsbury, I. L.
 Fayetteville, Ark., 18 W. Center St.
 The Southwestern Seed Co.
 Hartford, Conn. Coombs, John F.
 Indianapolis, Ind., 241 Massachusetts Ave.
 Bertermann Bros. Co.
 Joliet, Ill., Hobbs Bldg. Labo, Joseph
 Kalamazoo, Mich., 141 S. Burdick St. Van Bochove & Bros.
 Kansas City, Mo., 913 Grand Ave. Murray, Samuel
 Kansas City, Mo., 1116 Walnut St. Rock, W. L. Flower Co.
 London, Ont., Canada Gammage & Sons, J.
 Louisville, Ky., 550 S. 4th Ave. Schulz, Jacob
 Louisville, Ky., Masonic Temple Baumer, August R.
 Mankato, Minn. Windmiller Co., The

Montgomery, Ala., 116 Dexter Ave. Rosemont Gardens
 Mt. Vernon, N. Y., Columbia Ave. Dummett, Arthur
 Newark, Ohio. Duerr, Chas. A.
 New Castle, Pa., North Mercer St. Butz Bros.
 New London, Conn. "Reuters"
 New York, N. Y., Madison Ave. and 44th St., Dards, Chas. A.
 New York, N. Y., 1153 Broadway Small, J. H. & Sons
 New York, N. Y., 423-427 Fifth Ave. Siebrecht & Son
 Northampton, Mass. Field, H. W.
 Norwich, Conn. "Reuters"
 Oklahoma City, Okla. Stiles Co., The
 Parkersburg, W. Va. Dudley & Sons, J. W.
 Paterson, N. J. Screery, Edward
 Philadelphia, Pa., 1514 Chestnut St. Pennock Bros.
 Pittsburgh, Pa., 5936 Penn Ave. Randolph & McClements
 Portland, Ore., 133 6th St. Tonseth Floral Co.
 Poughkeepsie, N. Y. The Saltford Flower Shop
 Rochester, N. Y., 25 Clinton Ave. Keller & Sons
 Rockford, Ill. Buckbee, H. W.
 Scranton, Pa. Clark, G. R.
 Seattle, Wash., 1534 2nd Ave. Hollywood Gardens
 Sioux City, Ia., 405 Douglas St. Rocklin & Lehman
 Spokane, Wash., 11 Post St. Hoyt Bros. Co.
 Springfield, Mass., 378 Main St. Aitken, Mark
 St. Joseph, Mo. Stuppy Floral Co.
 St. Louis, Mo., 7th and Washington Ave. Grimm & Gorly
 St. Louis, Mo., 7041 Florissant Ave. Meinhardt, Fred A.
 St. Paul, Minn., 24 W. 5th St. Holm & Olson
 Terre Haute, Ind., 139 S. 7th St. Heintz, John G. & Son
 Toledo, Ohio, 336 Superior St. Freeman, Mrs. J. B.
 Toledo, Ohio, 2941 Cherry St. Suder, Mrs. E.
 Washington, D. C., 1214 F St., N. W. Gude Bros Co.
 Washington, D. C., 14th and G. Sts. Small, J. H. & Sons
 Wheeling, W. Va. Langhans, Arthur
 Wichita, Kan., 145 N. Main St. Mueller, Chas. P.
 Zanesville, Ohio, 54 N. 5th St. Inlay, John D.

500 MEMBERS IN 1915.

WHEN CAN WE ADD YOUR NAME ON THIS LIST

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery Association.

NEW YORK **413**

 Madison Ave.
 at 48th St.
 Tel. Murray Hill
 1920

New York
Bloomington's
 The Largest Floral Establishment in the Metropolis
 Fast Service — Quick Delivery — Most Prices
 Telegraph Orders Carefully Filled

Of Interest to Retail Florists

Beaver Dam, Wis.—The greenhouses and retail business of Joseph Wagner, seedsman and florist, 134 Front street, have been purchased by A. G. Boomer.

Columbus, Ohio—Samuel Graff, manager of the Art Floral Company in East Gay street, is entitled to continue his establishment, although he entered into an agreement with his brother, the late William Graff, not to re-engage in the floral business in the city when the two dissolved partnership at 15 North High street. William continued the business there and at his death his widow took charge of it.

The agreement, according to a decision of Judge Kinkead, was terminated at the death of Mr. Graff. Chas. R. Wheeler, executor of his estate, sought to recover \$5000 from the living brother because, it was alleged, he had broken the contract when he re-entered the floral business. The court held the death of either would annul the contract.

Judge Kinkead also held that the probate court had no jurisdiction to allow the executor to continue the business at 15 North High street.
 —State Journal.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

*Cost of Cabling Foreign Deliveries
Must be Prepaid*

Reference or cash must accompany all orders from unknown correspondents.

Cable Address, ALEXCONNELL.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
 New York City
 Or OUT-GOING STEAMERS
 Write or telegraph
 2139-2141 Broadway, New York
 Telephone 1552-1553 Columbus

Established 1874

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FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City
 (Member Florists' Telegraph Delivery Assn.)
 Flowers shipped on all Steamers — Special Correspondence in all the principalities of Europe and the British Colonies. Telegraph and Cable address Dardspier.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston
and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

BOSTON'S BEST
In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
191 Boylston Street, BOSTON.

CARBONE

Member Florists' Telegraph Delivery
342 Boylston St., Boston

Vases, Garden Furniture, Art Goods and
New Designs in Tuscan Baskets for
Florists' Use, in Wholesale Department.

H. F. A. Lange

WORCESTER, - MASS.

Deliveries to all Points in New England.
125,000 square feet of glass.

FOR NEWPORT

Narragansett Pier and All Other Rhode
Island Points

Transfer Your Orders to

GIBSON BROTHERS

36 WASHINGTON SQUARE, . . . NEWPORT, R. I.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 3139
Members Florists Telegraph Delivery

Flower Deliveries in

ROCHESTER, N. Y.

Salter Bros
38 MAIN STREET, WEST.

The California Florist

JULIUS EPPSTEIN — FRANK H. FORREST
344 - 346 Geary Street, SAN FRANCISCO,
and Hotel St. Francis. CAL.

We cover the entire Pacific Coast and West
of the Rockies. Wire us your orders for
all Steamers sailing for Honolulu, Manila
and the Orient. Regular Trade Discount.

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

Pelicano, Rossi & Co.
123 KEARNY ST.

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - - TORONTO, ONT.

Of Interest to Retail Florists

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 76 Maiden
Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Ed. MacMulkin, 194 Boylston St.
Boston—Penn, the Florist, 37-43 Brom-
field St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Phillip L. Carbone, 342 Boylston
St.

Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912
Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Wash-
ington Sq.

New York—George M. Stumpp, 761 Fifth
Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St.
and Madison Ave.

New York—Alfred T. Bunyard, 413 Mad-
ison Ave.

New York—Bloomingdale's.
Providence, R. I.—T. J. Johnston & Co.,
171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main
St., West.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

San Francisco, Cal.—The California
Florist, 344-346 Geary St.

San Francisco, Cal.—Pelicano, Rossi &
Co., 123 Kearny St.

Schenectady, N. Y.—J. C. Hatcher.
St. Paul—Holm & Olsen, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Wellesley, Mass.—Tallby.
Worcester, Mass.—H. F. A. Lange.

NEW FLOWER STORES.

Racine, Wis.—Joseph Rehl.

Hartford, Conn.—James Dolan,
Broad and Park streets.

Houston, Texas—P. D. Hauser Flo-
ral Co., 708 San Jacinto street.

Clinton, Mass.—A. P. Meredith &
Son, Philbin block, High street.

Tacoma, Wash.—Watson Flower
Store, 937½ C street, branch store.

NEWS NOTES.

Port Richmond, N. Y.—Charles Hart
is turning out pansies which are record
breakers for size and quality of flow-
ers. They all go to J. K. Allen, the
wholesale dealer on West 28th street,
New York, who finds a ready market
for them in 8-inch pans.

Detroit, Mich.—Mr. McHugh has re-
ceived sincerest sympathy because of
the death of his son who was a great
help to him in his store.

Hugo Schroeter has moved into his
new home and may the joys of being
his own landlord last for ever so many
years to come.

BOSTON, MASS.

Penn the Florist
the Telegraph

"Penn, The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET

TRANSFER

Your orders for flower or plant de-
livery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston



WASHINGTON,
D. C.

GUDE'S

Member Florists'
Telegraph Delivery.

Chicago.

A. LANGE,

25 E. MADISON ST.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

WASHINGTON

915 F ST. N. W.

F. H. KRAMER

Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work 1st Class

GEORGE M. STUMPP

761 Fifth Ave., Cor. E 58th St.

NEW YORK CITY

Wilson
FLORIST

BROOKLYN
NEW YORK

3 & 5 Greene Ave.
Tel. 6800 Prospect

339-347 Greene Ave. Tel. 3908 Prospect

THE ROSERY

76 MAIDEN LANE

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY



Less Ice With Better Results

The McCray System of Refrigeration, which insures a perfect circulation of cool, dry air, will not only reduce your ice bills, but will keep your stock in the best condition—fresh, fragrant and attractive.

McCray Refrigerators

Are made so as to display your flowers to the best advantage. They can be lined with white enamel, opal glass, tile, mirrors or marble to suit your convenience. Write for our beautiful Free Catalog No. 72, which shows refrigerators for florists, both stock and built-to-order, in all sizes and styles.

McCray Refrigerator Co.

553 LAKE STREET

KENDALLVILLE, IND.

WILLIAM J. SMYTH

Cor. Michigan Ave. and 31st St.,
CHICAGO, ILL.

(Member Florists' Telegraph Delivery Asso.)
We ship to all points in Illinois and Iowa.
Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

Member of the Florists' Telegraph Delivery.
All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE
Pres.

Member Florists' Telegraph Delivery.
DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.
will carefully execute orders for Kansas
City and any town in Missouri or
Kansas.

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

W. J. Palmer & Son

304 Main Street, **Buffalo, N. Y.**
Members Florists' Telegraph Asso.

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Member Florists' Telegraph Delivery.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3.

Of Interest to Retail Florists

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow...Dec. 5

American.

New York, N. Y.-S'hampton...Dec. 7

Cunard.

Carmania, N. Y.-Liverpool...Dec. 7

Ultonia, N. Y.-Mediterranean...Dec. 7

Saxonia, Boston-Liverpool...Dec. 10

Hamburg-American.

Pres. Grant, N. Y.-Hamburg...Dec. 7

K. Aug. Vic., N. Y.-Hamburg...Dec. 12

Holland-America.

Potsdam, N. Y.-Rotterdam...Dec. 3

New Am'dam, N. Y.-Rot'dam...Dec. 10

Leyland.

Bohemian, Boston-Liverpool...Dec. 7

Winifredian, Boston-Liverp'l...Dec. 14

North German Lloyd.

Prinz Irene, N. Y.-Mediter'n...Dec. 7

Red Star.

Kroonland, N. Y.-Antwerp...Dec. 4

Zeeland, N. Y.-Antwerp...Dec. 11

White Star.

Cymric, Boston-Liverpool...Dec. 3

Celtic, N. Y.-Liverpool...Dec. 5

Majestic, N. Y.-S'hampton...Dec. 7

Canopic, Boston-Mediter'n...Dec. 12

Adriatic, N. Y.-Liverpool...Dec. 12

WASHINGTON NOTES.

The formal opening of the Washington branch of the S. S. Pennock-Meehan Company took place on November 21, in the new building recently erected for the firm. Invitations had been sent out to all the local growers and retailers and about 200 people called during the evening to pay their respects. Music was furnished by a string orchestra hidden behind a screen of palms and ferns, and by novelty xylophone performers. There was an exceptionally fine display of orchids, carnations, roses and chrysanthemums. At the rear of the store a table had been spread with good things and the guests were served by caterers. Messrs. Edward J. Fancourt, Charles E. Meehan and W. E. McKissick were assisted in receiving the guests by Mrs. McKissick and Miss Minnie Shea and Mr. Edward Bowers and Messrs. Walter Hengle, O. A. C. Oemhler and W. J. Schattmeyer aided

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

Hatcher
Estab. 1877
LEADING FLORIST
Amsterdam, N. Y. Schenectady, N. Y.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

EVER READY POT COVER



The modern way of artistically decorating unsightly clay flower pots. Makes plants sell better as they are artistic and attractive. Inexpensive, durable and instantly applied.

Made in four colors and many sizes. Sample will be sent on receipt of 10c.

Ever Ready Flower Pot Cover Co.

146 HUGHES AVE., BUFFALO, N. Y.

in many of the arrangements. To enumerate those present would necessitate mentioning the name of every florist of Washington and vicinity who was in the city that day, for nearly everyone was there.

During the week preceding Thanksgiving Day, cards bearing the phrase, "Your Thanksgiving Day will not be complete without flowers," appeared in all the store windows and at the market stands, being the first step in the publicity campaign of the Florists' Club of Washington.

George Cooke, George Field and Adolphus and William F. Gude were judges last week at the flower show held in Baltimore, Md.

Sydney Bayersdorfer, of Philadelphia, was in town last week.

Mr. Customer comes in and says:—

Mr. Florist, What 'Ye Got?

Mr. Florist says: "Why, Mr. Customer,

What Do You Want?"

And when Mr. Customer looks around the store, and says: "Shaw!" and then walks out, what's the answer? Simply that the florist don't know his business, or else he would be ready with a good display, and able to talk it up and make sales. More than that:

What Have You Done to Bring Your Customer?

The time has gone by—many years—when a florist can sit down with his feet up on the desk. Letters, Postals, Circulars, Ads.—all necessary. First git them there. Then have the goods. Then have intelligent talkers. That's all there is to it. So we say again:

BE READY WITH YOUR RED

The Christmas season is only three weeks away. Be ready with your red. BAYERSDORFER—"the Florists' Supply House of America"—is, as heretofore, leading the procession.

BAYERSDORFER HAS MORE RED

of every description, than all the rest of them put together.

Europe, Asia, Africa and America

Contribute to the enormous stocks of this world embracing house. The Brains, Talent and Genius of the whole world is gathered in the immense wholesale emporium of BAYERSDORFER—right here in Philadelphia, ready for distribution to the wide-awake florists of America. Most of these offerings to be had from no other source—of the same quality, variety and value.

RED IMMORTELLE WREATHS

RED and GREEN FOREST WREATHS

Magnificent stock.

Elegant and artistic.

RED CYCAS LEAVES

WE ARE HEADQUARTERS

RED CYCAS WREATHS

NOTHING TO BEAT THEM

RED CYCAS SPRAYS

THE WORLD'S LATEST

THE HEATHER IS
ON FIRE!

RED HEATHER

RED Adiantum
RED Beech Sprays
RED Immortelle Sprays
RED Holly Sprays

These four items must be seen to be appreciated. Sell like hot cakes. The holly is perfect and everlasting. Far superior to natural.

RED Crepe and Pleated Paper

RED Mats
RED Statice

Last but not least
Don't forget.

All kinds of
RED BASKETS

Send for Catalogue

H. BAYERSDORFER & CO.

THE FLORISTS' SUPPLY HOUSE OF AMERICA

1129 ARCH STREET - - - PHILADELPHIA, PA.

BEAUTIES

Splendid stock now and over the holidays in quantity. It will pay you to get our quotations when in the market.

Boxwood Sprays

\$7.50 per case
For immediate shipment or future delivery.

New Bronze Galax

\$7.50 per case

Business Hours: 7 A. M.—8 P. M.

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner
12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR
FLORIST'S
USE

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THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST. BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

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WHOLESALE FLORIST

24 Stone St., Rochester, N. Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 381—316 Walnut St., Cincinnati.

HOERBER BROS.

Wholesale Growers of
Cut Flowers

WE GROW BRIDES

Greenhouses at
Des Plaines, Ill.

162 N. Wabash Ave.

CHICAGO, ILL.

POEHLMANN BROS. CO.

Cut Flowers All the Year Round

33-35-37 RANDOLPH STREET,

CHICAGO

Greenhouses, Morton Grove, Ill.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	CINCINNATI November 26	DETROIT November 26	BUFFALO November 26	PITTSBURGH November 19
Am. Beauty, Fancy and Special....	25.00 to 35.00	40.00 to 50.00	25.00 to 40.00	20.00 to 30.00
“ “ Extra.....	15.00 to 20.00	30.00 to 40.00	15.00 to 25.00	15.00 to 18.00
“ “ No. 1.....	10.00 to 12.50	20.00 to 30.00	10.00 to 15.00	8.00 to 12.00
“ “ Lower Grades.....	4.00 to 8.00	10.00 to 20.00	3.00 to 6.00	4.00 to 6.00
Killarney, Richmond, Maryland....	2.00 to 8.00	4.00 to 8.00	3.00 to 10.00	3.00 to 8.00
Bride, 'Maid.....	2.00 to 8.00	4.00 to 8.00	3.00 to 6.00	..... to
Hillingdon, Ward, Melody.....	2.00 to 8.00	4.00 to 10.00	0.00 to 10.00	3.00 to 8.00
Taft, Sunburst.....	2.00 to 8.00	4.00 to 10.00	4.00 to 10.00	3.00 to 8.00
Carnations.....	1.00 to 4.00	3.00 to 5.00	2.50 to 3.00	1.50 to 3.00
Cattleyas.....	..... to 50.00	50.00 to 65.00	50.00 to 60.00	40.00 to 50.00
Lilies, Longiflorum.....	6.00 to 10.00	12.50 to 15.00	10.00 to 12.50	8.00 to 10.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Violets.....	.35 to 1.00	1.00 to 1.50	.75 to 1.00	.50 to .75
Chrysanthemums, Fancy.....	10.00 to 25.00	20.00 to 35.00	12.00 to 20.00	20.00 to 25.00
“ “ Ordinary.....	2.00 to 8.00	7.00 to 15.00	6.00 to 10.00	6.00 to 15.00
Daisies.....	..... to .....	..... to .....	..... to .....	.50 to 1.00
Sweet Peas.....	.35 to 1.00	.50 to 1.00	.75 to 1.00	.50 to .75
Gardenias.....	..... to .....	..... to .....	..... to	25.00 to 40.00
Adiantum.....	..... to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25
Smilax.....	10.00 to 12.50	12.50 to 15.00	15.00 to 15.00	..... to 15.00
Asparagus Plumous, Strings (100)...	35.00 to 40.00	25.00 to 40.00	40.00 to 60.00	35.00 to 50.00
“ “ & Spreng. (100 bchs.)...	20.00 to 25.00	25.00 to 40.00	25.00 to 35.00	3.00 to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

CHICAGO CARNATION COMPANY

A. T. PYFER, Manager

30 East Randolph Street,

CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE.,

BETWEEN RANDOLPH
AND LAKE STREETS,

CHICAGO

Mrs. Charles Russell

A MONTGOMERY SEEDLING

Of American Beauty size and fragrance; color a lighter cerise that does not fade to a blue but to a lighter rose as the flowers age; a strong, vigorous grower; good heavy stems; flowers carried erect, no weak necks; no blind wood like Beauty; very prolific, remarkably so considering its size. As tested in the various shows over the country this fall, it has proven a wonderful keeper and established itself at once as a rose of unusual merit, a rose that has created a sensation wherever shown, attracting not only the commercial man but the public as well.

	Doz.	25	50	100	250	1000
OWN ROOT	\$6.00	10.00	17.50	30.00	70.00	250.00
GRAFTED	7.50	12.50	20.00	35.00	82.50	300.00

RIBBONS AND SUPPLIES: Many new patterns in exclusive Ribbons. Write us for prices on these and on Supplies.

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA
1608-1620 Ludlow St.

NEW YORK
117 W. 28th St.

WASHINGTON
1216 H St., N. W.

Flower Market Reports

BOSTON As usual, Thanksgiving week has given an impetus to the flower trade and the demand is quite lively from all points within the shipping territory of this market. Prices have not advanced very much, however, for the conditions of weather have been very favorable to growth and the production, for the time being is heavy, with the result that the demand is quickly and readily supplied. On single violets, carnations and Beauty roses there is a noticeable advance of 25 to 35 per cent., but other staples show very slight response to the Thanksgiving call. Double violets have again faced an unappreciative reception in this market. Carnations are among the first to respond with higher prices to the shrinkage of the chrysanthemum crop. Of the latter the leaders are Bonnaffon and Eaton. Yellow daisies have started in where they left off last spring and are in line for good prices right along. Lily of the valley is one of the best sellers at present.

Receipts were much lighter the past week, especially in the rose line and at times the wholesaler was sold out early. The demand has grown on Killarney, Richmond and other roses, especially the yellows. There were plenty of Bonsilene and Beauty. Chrysanthemums have shortened up and sales have been more satisfactory. Some choice Golden Wedding, White and Pink Maud Dean and Chadwick are had. Violets have a better call and lily of the valley moves well. Carnations are on the short side—hardly enough to take care of the demand.

CHICAGO In general Chicago market is in a very satisfactory condition and the latter half of November will close the chrysanthemum season for this year. There has been no glut in any line and neither have prices been exceedingly high but a moderate demand and moderate prices have kept the ball rolling till Thanksgiving week opened. A shortage of carnations and plenty of everything else marked this event and

WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON November 28	CHICAGO November 26	ST. LOUIS November 26	PHILA. November 19
Am. Beauty, Fancy and Special...	15.00 to 35.00	25.00 to 40.00	30.00 to 50.00	25.00 to 30.00
" " Extra	10.00 to 15.00	15.00 to 25.00	20.00 to 25.00	15.00 to 20.00
" " No. 1	6.00 to 8.00	10.00 to 20.00	12.50 to 15.00	10.00 to 12.00
" " Lower Grades	1.00 to 6.00	3.00 to 6.00	4.00 to 6.00	5.00 to 8.00
Killarney, Richmond, Maryland...	2.00 to 8.00	3.00 to 8.00	4.00 to 10.00	3.00 to 8.00
Bride, Maid	1.00 to 8.00	3.00 to 8.00	5.00 to 6.00	2.00 to 6.00
Hillingdon, Ward, Melody	2.00 to 8.00	3.00 to 8.00	4.00 to 10.00	3.00 to 8.00
Taft, Sunburst	2.00 to 10.00	3.00 to 10.00	4.00 to 10.00	4.00 to 10.00
Carnations	2.00 to 4.00	2.00 to 4.00	3.00 to 5.00	1.50 to 4.00
Cattleyas	35.00 to 40.00	40.00 to 75.00	50.00 to 60.00	25.00 to 40.00
Lilies, Longiflorum	6.00 to 10.00	6.00 to 10.00	12.00 to 15.00	8.00 to 10.00
Lily of the Valley	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Violets .....	.35 to .75	.50 to 1.00	.50 to .75	.50 to 1.00
Chrysanthemums, Fancy	16.00 to 25.00	12.00 to 25.00	15.00 to 20.00	15.00 to 25.00
" " Ordinary	4.00 to 8.00	5.00 to 10.00	5.00 to 10.00	5.00 to 10.00
Daisies	1.00 to 1.50	.....	.....	.....
Sweet Peas .....	.50 to .75	.50 to 1.00	.....	.50 to 1.00
Gardenias	15.00 to 35.00	25.00 to 35.00	.....	15.00 to 30.00
Adiantum	1.00 to 1.25	.75 to 1.00	1.00 to 1.25	1.00 to 1.50
Smilax	10.00 to 15.00	12.00 to 15.00	12.00 to 15.00	..... to 15.00
Asparagus Plumosus, Strings (100) ..	..... to 50.00	40.00 to 60.00	35.00 to 50.00	35.00 to 50.00
" " & Spreng. (100 Bchs.) ..	25.00 to 50.00	45.00 to 50.00	15.00 to 25.00	35.00 to 50.00

chrysanthemums rapidly disappeared as shipping orders came in. No great local demand is anticipated at this writing. Violets are selling better since the cold weather came. Sunburst roses are now to be had in almost any length including some extremely long ones and they are very popular. Killarney, Richmond and My Maryland are all to be had in quantity and the quality is first class. Beauties are selling well. Some reach the six foot mark but the demand is mostly for medium lengths. All kinds of green is plentiful including Christmas greens which this week include holly.

DETROIT With a very good demand for almost any kind of product and a manager at the wholesale house who leaves no stone unturned to sell the goods; there have been nevertheless a good many flowers which could not be disposed of at satisfactory prices. The outlook for the future is, however, very good. As usual prices are stiffened up some for Thanksgiving but not enough to influence the buying public adversely.

PHILADELPHIA Conditions here last week were about as previously reported, no marked change having taken place in any line. There were far too many chrysanthemums. But in spite of the big cut, prices on

the higher grades held fairly firm. Roses were not quite so plentiful on the whole, although American Beauty was rather more abundant. Carnations took an upward turn and towards the end of the week were surprisingly scarce. Orchids are not nearly so plentiful as they were two weeks ago. Violets are moving well and the supply has fallen off slightly. Lily of the valley is quite a feature; not near enough for the demand the past few days. There has been a great deal of shipping of this item—showing that the scarcity is general as well as local. Roses will improve with the cooler weather now on.

ST. LOUIS According to the local wholesalers the market is in fine condition with plenty of stock and prices within reach of all, all fancy grades of course advancing a few cents for Thanksgiving Day. Chrysanthemums are coming in fine and are now at their best. Roses are still plentiful and a good cut is on for this week in all varieties. Carnations are coming along fine and plenty for all demands. Violets are selling at a good rate as are all other staples, including stevia and paper whites, which are now in.

WASHINGTON Indications on Monday of this week point to a sufficient

Continued on P. 758

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square.

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. NEW YORK
Telephones: 2200, 2201, Madison Square.

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Tel. 1462 Madison Square New York
1463

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Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 756 Madison Square New York

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Wholesale Florist
107 W. 28th Street, NEW YORK
Call and inspect the Best Establishment
in the Wholesale Flower District.

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PUBLIC ACCOUNTANT AND AUDITOR
Simple methods of correct accounting
especially adapted for florists' use.
BOOKS BALANCED AND ADJUSTED
Merchants Bank Building
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Telephone, Main 58

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe,
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. {1919} Mad. Sq. 113 W. 28 St., New York.
5993

REED & KELLER
122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.

Wired Toothpicks
Manufactured by
W. J. COWEE, Berlin, N. Y.
10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes. LARGEST GROWERS
by the 100, 1000 or 10,000. The HOME OF THE LILY
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3832-3533 Madison Square

Established 1887 **J. K. ALLEN** Still Going Strong
OLDEST IN YEARS BUT UP-TO-DATE IN SERVICE
Cut Flower Consignments Solicited.
A SQUARE DEAL. PROMPT RETURNS. MONEY ALWAYS READY.
106 WEST 28TH ST., NEW YORK
Open 6 A. M. daily. Telephone, 187 and 4468 Mad. Sq.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Tel. 759 Mad. Sq. 55 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Nov. 23 1912		First Half of Week beginning Nov. 25 1912	
American Beauty, Fancy and Special	15.00	to 25.00	20.00	to 35.00
" " Extra	8.00	to 12.00	10.00	to 20.00
" " No. 1	6.00	to 8.00	8.00	to 12.00
" " Lower Grades	1.00	to 3.00	1.00	to 4.00
Killarney, Richmond, Maryland	1.00	to 10.00	1.00	to 10.00
Bride, Maid	1.00	to 6.00	1.00	to 6.00
Hillingdon, Ward, Melody .....	.50	to 8.00	2.00	to 10.00
Tatt, Sunburst	1.00	to 12.00	2.00	to 12.00
Carnations	1.50	to 4.00	1.50	to 5.00

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones {1864} Madison Square
{1685} CONSIGNMENTS SOLICITED

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF
THE FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
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Telephone 7062 Madison

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WOODROW & MARKETOS
WHOLESALE
Plantmen and Florists
41 West 28th Street NEW YORK

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**
WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH.

HENRY M. ROBINSON, Pres. MAURICE L. GLASS, Treas.
CHAS. E. ROBINSON V. Pres. JOSEPH MARGOLIS, Sec'y
HENRY M. ROBINSON CO.
OF NEW YORK
Wholesale Florists
Maurice L. Glass, Manager
55-57 WEST 26th ST. - - - NEW YORK CITY
Special Attention to the Shipping Trade



GALAX

Fine Quality of Brilliant Bronze and Green Galax, 40c. per 1000; \$3.00 per case of 10,000.

A-1 Dagger and Fancy Ferns, 75 cents per 1000.

Laurel Festooning, 4 cents per yard.
Bunch Laurel, 25 cents per bundle.
All other Evergreens at lowest prices.
Write, Wire or Telephone.

MILLINGTON FERN CO.

MILLINGTON, MASS.

Telegraph Station, New Salem, Mass.
Unknown Customers—Cash with order or reference.

Flower Market Reports

(Continued from page 757)

supply of flowers of all kinds to fill the Thanksgiving demand. The month of November as a whole has been quiet, there being few decorations of a size worthy of mention. Chrysanthemums have reigned supreme throughout the month and fair prices prevailed. Roses are in fine form and moving nicely in the cheaper grades. Some exceptionally fine orchids have been appearing during the past week or ten days and violets are considerably better than they have been. Sweet peas, both pink and white, have begun, and considering the earliness of the season they are quite good. The same can be said of lupin, snapdragon and narcissus, which are being offered by local growers.

The steady improvement of last week has been well maintained and the general tone of the market is decidedly good. Some of the wholesalers have been able to report a clearance, but at prices, however, which do not show a great advance upon those which have lately been quoted. The supply of roses has not been any too bountiful, in fact we have been short of American Beauty, Taft and Sunburst. We have a quantity of stevia and mignonette. The latest addition in the cut flower line is poinsettia with 3 feet stems, but there is no great demand for this item for which the dealers ask \$3 per dozen. Paper whites and yellow narcissus do not move at all well. Pot plants have been making a fine show and trade for these is flourishing.

NEW YORK NOTES.

Paul Meconi, wholesale florist, West 26th street, New York, was married on Saturday, Nov. 23.

Alexander Donaldson, son of John Donaldson, Elmhurst, Long Island, N.

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 76 Maiden Lane, ALBANY, N. Y.
WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US

Prices Right. Consignments Solicited. Telephone Connection

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WILLIAM F. KASTING CO. Wholesale Florists

383-387 ELICOTT ST. - - BUFFALO, N. Y.

MONTREAL FLORAL EXCHANGE, LTD.

ORGANIZED FOR THE BENEFIT OF THE CANADIAN TRADE.

CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION.

Home-grown Stock a Specialty. STRICTLY WHOLESALE; NOTHING SOLD AT RETAIL.

Ample reference furnished as to standing and financial ability of the company.

123 MANSFIELD STREET, MONTREAL, P. Q.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Nov. 23 1912		First Half of Week beginning Nov. 25 1912	
Cattleyas	20.00	to 50.00	15.00	to 35.00
Lilies, Longiflorum	3.00	to 5.00	2.00	to 8.00
Lily of the Valley	1.00	to 4.00	1.00	to 4.00
Violets .....	.15	to .50	.20	to .50
Chrysanthemums, Fancy	8.00	to 20.00	12.00	to 30.00
Ordinary	2.00	to 6.00	2.00	to 6.00
Daisies .....	.75	to 1.00	1.00	to 2.00
Sweet Peas	16.00	to 25.00	16.00	to 25.00
Garden as .....	.....	to 1.00	.....	to 1.00
Adiantum	6.00	to 12.00	6.00	to 12.00
Smilax .....	.....	to 20.00	.....	to 20.00
Asparagus Plumosus, strings (per 100)	8.00	to 25.00	8.00	to 25.00
& Spreng (100 bunches)				

Y., is in the hospital, where an operation was performed on him last Friday.

A. L. Deal, representing H. W. Johnson & Son, Boston, Eng., returns home on the Mauretania on the 27th inst.

Benjamin Disley superintendent to H. M. Flagler, Greenwich, Conn., and Mrs. Disley, sail on the Mauretania this week for a vacation in England.

H. M. Robinson Co., West 26th street, have for some time been receiving a limited supply of the new rose, Mrs. Chas. Russell, from the Waban Conservatories. They are fine flowers and easily bring 40 to 60c.

H. B. Buck, of A. T. Boddington's is just back from an extended trip in southern parts and reports business good. There is a great demand, he says, for eastern novelties. Things are brisk at the 14th street store and the spring catalogue will be ready well on time.

Visitors—John Stalford, Bar Harbor, Me.; P. Welch, Boston; Mr. and Mrs. B. H. Tracy, Wenham, Mass.

INCORPORATED.

Chicago, Ill.—North Shore Floral Co., capital stock \$2,000. Incorporators. B. J. Schmieder, I. Louise Scherer, and Adolph Traub.

Boston, Mass.—Fisher & Bryant, Inc., forestry business, capital stock \$25,000. Incorporators, Richard T. Fisher, Edw. S. Bryant and Arthur S. Hopkins.

BOSTON NOTES.

W. J. Stewart and two daughters have returned from Bermuda whither they went on Nov. 16 for a short recreation trip.

J. K. M. L. Farquhar, who recently returned from the St. Paul show is full of enthusiasm over the splendid success attending that enterprise and the optimistic spirit existing in the twin cities regarding the S. A. F. Convention of 1913, at Minneapolis.

Comment on the extraordinary long-keeping qualities of the new rose Mrs. Charles Russell is repeatedly heard. In this respect the rose is positively unique. The petals are very thick and wax-like and do not seem disposed to fall off at all even after being cut for two weeks. Mr. Montgomery reports an insatiable demand for the blooms from all parts of the country.

Visitors: D. Cameron, representing F. Sander & Son, St. Albans, Eng.; Gustave Thommen, Billerica, Mass.; Prof. E. A. White, Amherst.

IN BANKRUPTCY.

New York, N. Y.—A petition in bankruptcy has been filed against Butler Florist, Inc., retail florist, 18 East Forty-eighth street. Liabilities, \$3000, assets \$1500. The business was started many years ago and was bought by Eugene G. MacCan in 1904. On October 14, 1912, the business was incorporated with a capital stock of \$5000 and MacCan became president.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. J. Dysart, 40 State St., Boston.
For page see List of Advertisers.

APHINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

ARAUCARIAS

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

Asparagus plumosus nanus, 4-in., \$8.00 per 100; \$75.00 per 1000. Cash. A. B. Cronbaugh, Ada, Ohio.

Asparagus Sprengertii, 2 inch, \$2.00 per 100; \$18.00 per 1000. Cash please. Felsch Bros., Maywood, Ill.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Loechner & Co., New York, N. Y.
For page see List of Advertisers.

BAY TREES

McHutchison & Co., 17 Murray St., N. Y.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, 31 Barclay St., New York.
For page see List of Advertisers.

Breck-Robinson Nursery Co., Lexington, Mass.
For page see List of Advertisers.

Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.
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R. Vincent, Jr., & Sons Co., White Marsh, Md.
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BEGONIAS

A. M. Davenport, Watertown, Mass.
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Vernon Begonias, 3 inch, in bloom, nice plants, \$3.00 per 100. Cash please. Felsch Bros., Maywood, Ill.

BERBERIS THUNBERGII

100,000 Berberis Thunbergii, from 6 in. to 2 1/2 ft., and new seed of same; also Clematis paniculata, 1, 2 and 3-yr. old, and new seed. Get my prices. Benj. Connell, Florist, Merchantville, N. J.

BOXWOOD TREES

Boblink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees, all sizes. Ask for special list.

BOILERS

Kroeschell Bros. Co., 468 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.

Lord & Burnham Co., 1133 Broadway, N. Y.

BOXES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BULBS AND TUBERS

Arthur T. Boddington, New York, N. Y.
Decoration Day and May Flowering Tulips.
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Stumpp & Walter Co., New York, N. Y.
Chinese Lilies.
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James Vick's Sons, Rochester, N. Y.
Special Bulb Prices.
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Weeber & Don, New York, N. Y.
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R. & J. Farquhar Co., Boston, Mass.
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Bulbs of all descriptions. Write for prices. C. Keur & Sons, Hillegom, Holland.
New York Branch, 31-33 Broadway.

BURLAP MATS

Wm. Elliott & Sons, New York, N. Y.
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CANNAS

THE IMPROVED CANNAS.
You can double your profits by stocking up with the new cannas. Be sure to get our list before you place your order. The Conard & Jones Company, West Grove, Penna.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.
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CHRYSANTHEMUMS

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S. S. Pennock-Meehan Co., Phila., Pa.

CHRYSANTHEMUMS—Continued

Chrysanthemum Stock Plants: Mary Coladay (Pink Garza), \$5.00 per doz., \$35.00 per 100; Overbrook (the earliest hardy pompon yellow), \$1.50 per doz., \$10.00 per hundred. Strafford Flower Farm, Strafford, Pa.

Stock Chrysanthemum plants, Golden Glow, Pacific Supreme, White and Yellow Bonnafon, also other kinds, \$3.00 per 100. Cash with order or will exchange for rooted geranium cuttings. Felsch Bros., Maywood, Ill.

20,000 Chrysanthemum Stock Plants: Chrysolora, Mrs. David Syme, Pockett's Crimson, \$5 per 100; Unaka, Smith's Advance, Glow, Frost, Monrovia, Early Snow, Robinson, Gloria, Cremo, Hurley, and twenty others (send for list), \$2.00 per 100, \$15.00 per 1000. Cash at these low figures to clear benches. I. M. Rayner, Greenport, N. Y.

CHRYSANTHEMUM, THE. By A. Herrington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 160 pages. Price 50 cents.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CHRISTMAS TREES FOR TABLE

Adolf Muller, Norristown, Pa.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
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Cyclamen giganteum, fine 3-in., \$6.00; 4-in., \$12.00; 5-in., \$25.00 per 100. Fine plants in bud. Cash. C. L. Osborn, Sidney, Ohio.

Cyclamens, 3-inch pots, \$10.00 per 100; \$80.00 per 1000. Julius Roehrs Co., Rutherford, N. J.

Cyclamen, clean, heavy, three inch. German, large flowered and orchid flowered strains. Assorted colors, \$8.00 per 100. Peter Pearson, 5752 Gunnison St., Chicago.

200,000 Giant Flowering Cyclamen, August seedlings. We received first prize on our blooming cyclamen at the show in Cleveland, O., and hold other first prizes. Our aim is strong growers, a well built five petal flower, with good color and fragrance, many of them at one time, well marked foliage and general good habits. Strong August Seedlings, \$2.50 per 100; \$20.00 per 1000.

What others say about our blooming plants: Mr. E. A. Corson, Rochester, N. H., Nov. 15, 1912: "Cyclamens received and am more than pleased. They are certainly fine plants and such a range of color. Arrived in good condition too."

Plants in bud and bloom, 2 1/2 in., 4c.; 3 in., 5c.; 4 in., 15c.; 5 in., 35c. and 50c.; 6 in., 75c. and \$1.00; 8 in., \$1.50 to \$2.00 each. Cultural directions with all orders. Christ. Winterich, Cyclamen Specialist, Defiance, O.

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

East Bridgewater Dahlia Gardens are the largest and most up-to-date in America. Over 850,000 field clumps to offer at right prices. Be sure and send your wants to J. K. Alexander, The Eastern Dahlia King, East Bridgewater, Mass.

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DAHLIAS—Continued**NEW DAHLIAN FOR 1912.**

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams town Junction, N. J., Post Office, Berlin N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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John Scott, Brooklyn, N. Y.
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Woodrow & Markatos, 41 West 28th St., New York.
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DRACAENAS

Dracaena Indivisa, 2 inch, \$2.00 per 100 or \$18.00 per 1000. Cash please. Felsch Bros., Maywood, Ill.

FERTILIZERS

Elmer D. Smith & Co., Adrian, Mich.
Fertiline.
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Wizard Brand Cattle Manure.

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Frank Oechslin, 4911 Quincy St., Chicago.
Ferns for Dishes.
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F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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Fern runners, fine stock Boston, Whitman, Amerpohl, Springfield, \$1.80 per 100, \$15.00 per 1000. Roosevelt runners, very fine, \$6.00 per 100, \$50.00 per 1000. Roosevelt, 4-inch, \$15.00 per 100, 5-inch, \$25.00 per 100. Asparagus Plumosus, 4-inch, handsome stock, \$8.00 per 100. 50.00 sq. ft. of glass at Cleveland, O., devoted exclusively to ferns. I have the best stock to be had anywhere. Prices are low, for cash only. Schneider, Florist, Springfield, O.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Geraniums, Nutt, Daguta, Ricard, Red Wing, Viand, La Favorite, Jaulin, Perkins, Oberle, \$2.00 per 100; \$18.50 per 1000. Hill, Dryden, Pamela, Vincent, Poltevine, Double Dryden, Luigi Grandi, Docteur Danjou, \$3.00 per 100; \$25.00 per 1000. Send for Geranium Catalogue. F. H. DeWitt & Co., Wooster, Ohio.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.

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"Tip Top" Tobacco Powder.
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Kentucky Tobacco Product Co.,
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Nico-Fume.

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In writing to Advertisers kindly mention Horticulture

JAPANESE LILIES

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Mt. Desert Nurseries, Bar Harbor, Me.
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MARGUERITES

Marguerite plants from 5½-inch pots,
best winter flowering variety; \$6.00 per
dozen plants. Peirce Bros., Waltham, Mass.

MASTICA

F. O. Pierce Co., New York, N. Y.
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Joseph Breck & Sons, Boston, Mass.
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MISTLETOE

Costs no more, quality considered.
Worth more than double. Silliman's every
sprig brand of Mistletoe. Now booking
orders December shipment. A. B. Silli-
man & Co., Boone, Iowa.

MUSHROOM SPAWN

Weeber & Don, New York, N. Y.
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August Rolker & Sons, 31 Barclay St., N. Y.
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John Waterer & Sons, Ltd., Bagshot, Eng.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

**TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.**
Ellwanger & Barry, Rochester, N. Y.

SHRUBBERY.

There are bargains to be had here in
such varieties as Spireas, Altheas, Weigelas
and Philadelphus, and this names only a
few. We have acres of shrubs, well grown
and ready for you. Write for price list.
The Conard & Jones Company, West Grove,
Penna.

ONION SETS

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ORCHID PLANTS

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Special Orchid Offer.
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Hybrid Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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ORCHID GROWERS' MANUAL.

By B. S. Williams, 300 illustrations, 800
pages; descriptions of upwards of 2500
species and varieties of orchidaceous
plants, etc. The most complete work on
Orchids and Orchid Culture ever pub-
lished. Price \$10.00.

Orders filled by HORTICULTURE, 11
Hamilton Place, Boston.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries,
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PANSY PLANTS

Pansy plants, strong field grown.
Benconsfield, light blue, best for cut
flowers. Also other separate colors. \$3.50
per 1000 prepaid. Peter Pearson, 5752
Gunnison St., Chicago.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

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PEONIES

Peonies. The world's greatest collection,
1200 sorts. Send for list. C. Betscher,
Canal Dover, O.

PIPE HANGERS

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PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

Plant Trellises and Stakes. P. A. Angler
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"Riverton Special."
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIVET

California Privet, well grown, 2-year-old
plants, from 12 inches to 3 feet; well fin-
ished plants, well graded and well packed.
Also one and two-year-old Ampelopsis
Veitchii. For prices and particulars ad-
dress Charles Black, Hightstown, N. J.

RAFFIA

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Peas, Beans, Radish and all Garden Seeds.
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Tomato Seed.
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- James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.
- S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
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- Weeber & Don, New York, N. Y.
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- Loechner & Co., New York, N. Y.
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- T. J. Grey Co., 32 So. Market St., Boston.
Shamrock Seed.
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- P. Hamilton Goodsell, New York, N. Y.
Grass Seed.
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- S. D. Woodruff & Son, New York, N. Y.
Garden Seed.
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- Oklahoma Seed Growers' Co., Enid, Okla.
Surplus List of Melon Seed.
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SEED PACKETS.

- Brown Bag Filling Machine Co., Fitchburg, Mass.
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SLUG SHOT

- B. Hammond, Fishkill-on-Hudson, N. Y.
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SPHAGNUM MOSS

- J. H. Sprague, Barnegat, N. J.
For page see List of Advertisers.
- Sphagnum Moss, large bales. Green Moss in bbls. Laurel Bunches and Broken Laurel. James Day, Milford, N. H.
- Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPIREAS

- Breck-Robinson Nursery Co., Lexington, Mass.
For page see List of Advertisers.

STOVE PLANTS

- Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

TIP TOP TOBACCO POWDER

- Interstate Tobacco Co., Inc.,
1397-1399 Ave. A, New York, N. Y.
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VENTILATING APPARATUS

- The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
For page see List of Advertisers.
- Quaker City Machine Works,
Richmond, Ind.
20th Century Arm.
For page see List of Advertisers.

WIRED TOOTHPICKS

- W. J. Cowee, Berlin, N. Y.
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WIREWORK

- Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.
- Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.
- William E. Hellscher's Wire Works,
38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

- Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Boston

- N. F. McCarthy & Co., 112 Arch St. and
31 Otis St.
For page see List of Advertisers.
- Welch Bros. Co., 228 Devonshire St.
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl.
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Buffalo, N. Y.

- William F. Kasting Co., 383-87 Ellicott St.
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Chicago

- Peter Reinberg, 37 Randolph St.
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- Poehlmann Bros. Co., Morton Grove, Ill.
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- J. A. Budlong, 37-39 Randolph St.
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- Chicago Flower Growers' Association,
176 N. Michigan Ave.
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- Chicago Carnation Co., 30 E. Randolph St.
For page see List of Advertisers.
- Hoerber Bros., Chicago, Ill.
For page see List of Advertisers.

Cincinnati, Ohio

- The J. M. McCullough's Sons Co.,
316 Walnut St.
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Detroit

- Michigan Cut Flower Exchange, 38 and 40
Broadway.
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Montreal

- Montreal Floral Co., Ltd., Montreal, P. Q.
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New York

- M. C. Ford, 121 W. 28th St., New York.
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- H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.
- James McManus, 55 W. 28th St., New York.
For page see List of Advertisers.
- W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.
For page see List of Advertisers.
- Moore, Hentz & Nash, 55 and 57 W. 28th
St., New York.
For page see List of Advertisers.
- Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.
- Charles Millang, 55 and 57 West 26th St.,
For page see List of Advertisers.
- P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.
- W. P. Ford, New York.
For page see List of Advertisers.
- Traendly & Schneck, New York, N. Y.
For page see List of Advertisers.

WHOLESALE FLORISTS

New York—Continued

- Frank Millang, 55-57 West 26th St.
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- Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.
- Woodrow & Marketos, 41 West 28th St.
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- Henry M. Robinson Co., New York, N. Y.
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- J. K. Allen, New York, N. Y.
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Philadelphia

- Leo. Niessen Co., 1209 Arch St., Phila., Pa.
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- The S. S. Pennock-Meehan Co., 1608-12
Ludlow St., Philadelphia, Pa.
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Rochester

- George B. Hart, 24 Stone St.
For page see List of Advertisers.

New Offers In This Issue**BULBS.**

- Fottler, Fiske, Rawson Co., Boston, Mass.
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CUT BOXWOOD.

- McCallum Co., Pittsburgh, Pa.
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CYCLAMEN.

- William Hoffman, Pawtucket, R. I.
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FLOWER POT COVER.

- Every Ready Flower Pot Cover Co.,
Buffalo, N. Y.
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**GERANIUMS, DOUBLE LOBELIA,
DRACAENAS.**

- Magnus Pierson, Cromwell, Conn.
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**HEADQUARTERS FOR CHRISTMAS
GREENS.**

- Mitchell's Seed House, Philadelphia, Pa.
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**HOLLY, BOUQUET GREEN, IMMOR-
TELLES.**

- A. Henderson & Co., Chicago, Ill.
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MISTLETOE.

- A. B. Silliman & Co., Boone, Ia.
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NARCISSUS BULBS.

- James Vick's Sons, Rochester, N. Y.
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ROSE MRS. CHARLES RUSSELL.

- S. S. Pennock-Meehan Co., Philadelphia, Pa.
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SEED TRADE ANNOUNCEMENT.

- Braslan Seed Growers Co., San Jose, Calif.
For page see List of Advertisers.

**TELEGRAPH FLOWER DE-
LIVERIES.**

- Florists' Telegraph Delivery Association,
Detroit, Mich.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

CLUBS AND SOCIETIES

CONNECTICUT HORTICULTURAL SOCIETY.

Our second November meeting, on the 22nd, was made interesting by the exhibition, by T. B. Brown of Windsor, of a pink seedling chrysanthemum plant, grown by him, and bearing several pure white sport blossoms. Mr. Brown was awarded a certificate of merit. President John F. Huss and William H. MacKenzie both gave interesting accounts of their recent attendance at the gathering of the National Association of Gardeners.

An article recently appearing in the horticultural press, entitled "Mandioka," by L. Rice, was read by the secretary and proved of much instructive value. This plant or tuber is the principal farinaceous plant of Brazil, and from it is made the well-known tapioca of commerce.

December 13th will be the annual meeting for the election of officers.

GEORGE W. SMITH, Sec'y.

Melrose, Conn.

AMERICAN CARNATION SOCIETY.

New Carnations Registered.

By Patten & Co., Tewksbury, Mass., Princess Dagmar—Genevieve X unnamed crimson. Deep, bright crimson. Size $3\frac{1}{2}$ to 4 inches. Long, stiff stem. Calyx seldom splits. Perfectly healthy. Strong grower. Average bloomer.

CLUB AND SOCIETY NOTES.

Thomas W. Lawson has been re-elected president of the Marshfield, Mass., Agricultural and Horticultural Society.

The 27th annual meeting of the Oregon State Horticultural Society was held at Portland on Nov. 20-22, in connection with the Pacific Northwest

Land Products Show. Apple orcharding was the main topic for consideration.

The December meeting of the Florists' Club of Washington will be held next Tuesday evening at eight o'clock at 1214 F street, N. W. Plans will be discussed for increasing the Christmas flower business of this year and several proposed changes in the by-laws will be offered.

At the annual meeting of Florists' Employees' Union, No. 14,134 of St. Louis, in Floral Hall, the following officers were named: Robert C. Hayes, president; George Wagner, vice-president; Edward Pieper, secretary; Mrs. M. Kingsley, financial secretary, and Charles Connon, delegate.

The programme of the annual meeting of the Maine Seed Improvement Association, which is to be held in the City Hall, Dec. 3 to 6, inclusive, contains many interesting features. In connection with the meeting of the seed improvement association there will be held the meeting of the Maine Dairymen's Association. There will also be an exhibition. Dr. Raymond Pearl of Orono will give an address on "What Plant Breeding Can Do for Maine."

The joint committee of the Garden Association and the Newport Horticultural Society met recently at the residence of Mrs. Hamilton Fish Webster to make arrangements for the flower show to be held next June on the grounds of Mrs. John Nicholas Brown's residence, "Harbourcourt," at Newport, R. I. A tentative schedule was made up and a sub-committee consisting of H. W. H. Powel, Andrew S. Meikle, Daniel J. Coughlin, Mrs. Hamilton Fish Webster and Mrs. Arnold Hague was appointed to make further arrangements. The joint com-

mittee consists of Mrs. Arnold Hague, Mrs. Hamilton Fish Webster, Miss Wetmore and Mr. H. W. H. Powel, representing the Garden Association and Andrew S. Meikle, president, Daniel J. Coughlin, secretary, James Robertson, James McLeish, Richard Gardner, Alexander MacLellan and William Gray from the Horticultural Society.

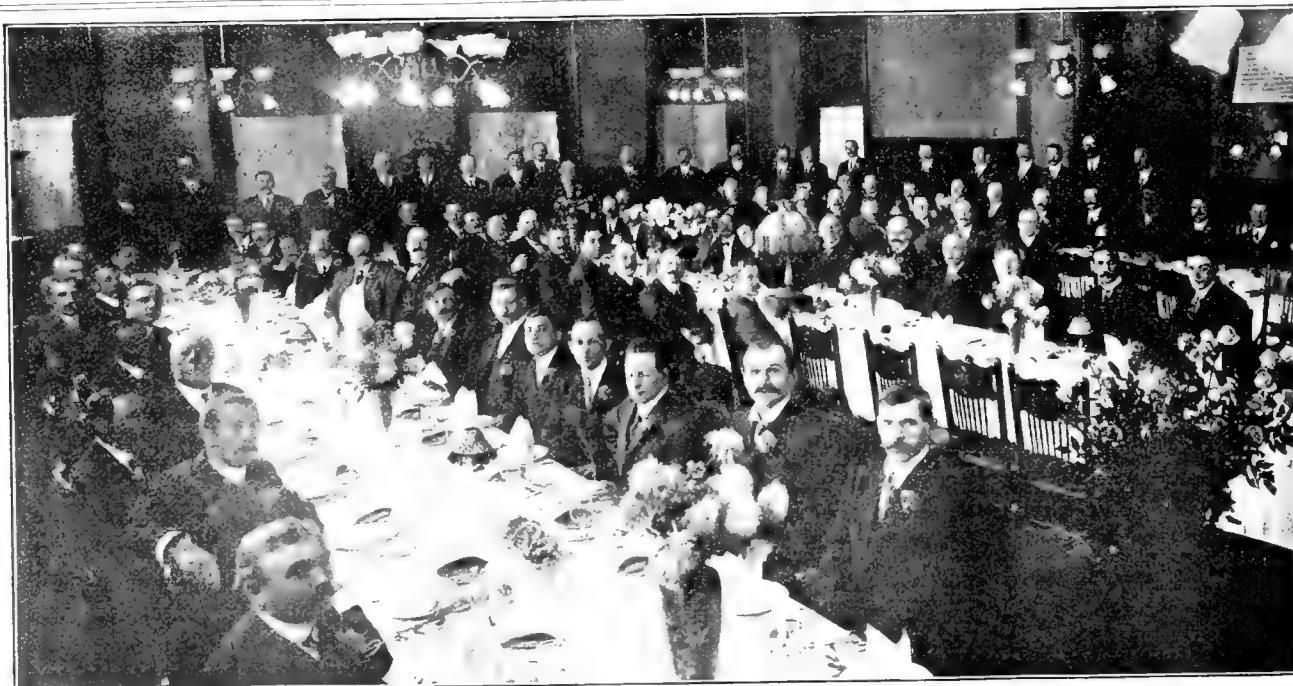
At the meeting of the National Association of Gardeners, held in Newark, N. J., last week, an invitation was received from the Pacific Coast Horticultural Society inviting the National Association to hold its convention in San Francisco in 1915. It was favorably acted on and resolutions passed to the effect that in appreciation of the invitation received from the brothers on the Pacific Coast, it is the sentiment of the 1912 convention that its 1915 meeting should be held in San Francisco, but that it is too early now to take positive action.

The bowling trophies were awarded to the victors at the dinner. The Aphine cup went to the winning team, the Pennsylvania Horticultural Society. The president's cup to Walter Gray, of Orange, N. J. The National Association cups went to Wm. Robertson, of Jenkintown, Pa.; Joseph Manda, West Orange, N. J.; and Thomas Aitchison, Mamaroneck, N. Y.

The Goodsell \$50 gold prize won by Mr. James Stuart, of Mamaroneck, N. Y., in the membership contest was also presented to the winner by Mr. Goodsell with a few well chosen words.

DURING RECESS.

The bowling team of the Washington Florists' Club continued their reputation of being invincible by defeating the Baltimore team last Thurs-



BANQUET, NATIONAL ASSOCIATION OF GARDENERS, AT NEWARK, N. J.

Tobacco Paper "NICO-FUME" LIQUID

IS THE
**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

**Furnishes the
Most Nicotine for the Money**

MANUFACTURED BY
THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

OVER 40% NICOTINE
By far the
CHEAPEST.

JUST NOTE PRICE!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

LEMON OIL CO.'S STANDARD SOLUBLE IN WATER INSECTICIDE NO ODOR NO POISON

Guaranteed under the Insecticide Act, 1910. Serial No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, etc. without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

½ Pint - - - 25c	Pint - - - 40c	Quart - - - 75c
½ Gallon, \$1.25	Gallon, \$2.00	5 Gallon Can, \$9
10 Gallon Can - -	\$17.50	

Dilute with water 30 to 50 parts

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct

Lemon Oil Company Dept. K
420 W. Lexington St., Baltimore, Md.
Directions on every package

Imp Soap Spray

Effective one to thirty-two.
Single gallons, \$1.50

Eastern Chemical Company
BOSTON

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

FOR SALE

FOR SALE—Retail Store in city of 16,000. Bargain. For full particulars address "E," care HORTICULTURE.

FOR SALE—Flower shop in city of nearly 100,000 inhabitants; well established, well stocked. Owner going West. Address W. H., care HORTICULTURE.

FOR SALE—Fresh from factory, new; 10 x 12, 18 x 18, 18 x 24, double thick, A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

When writing to advertisers kindly mention HORTICULTURE.

CLAYS FERTILIZER

112 lb. bag, \$5.50 56 lb. bag, \$3.00 28 lb. bag, \$1.75

Stumpp & Walter Co., 50 Barclay St., N.Y.



SLUG-SHOT

USED FROM OCEAN TO OCEAN FOR 29 YEARS!

Sold by Seed Dealers of America.

Saves Currants, Potatoes, Cabbage, Melons, Flowers, Trees and Shrubs from Insects. Put up in popular packages at popular prices. Write for free pamphlet on Bugs and Blights, etc., to B. HAMMOND, Fishkill-on-Hudson, New York.

JACK FROST BURLAP MATS for COLD FRAMES

One Mat Covers Two Frames

\$1.20—\$14.00 per Doz.

Wm. Elliott & Sons

42 VESEY ST., NEW YORK

Established 1845.

Green Flies and Black Flies Too are easy to kill with

"TIP-TOP" BRAND

Tobacco Powder

For fumigating or dusting. \$3.00 per bag, 100 lbs. Write for free samples. Money with order.

Interstate Tobacco Co., Inc.

1397-1399 Ave. A, NEW YORK

Money refunded if not satisfied. Beware of imitations. Territory open for live jobbers. Write for prices.

Cocanut Fibre Soil

Is being used more and more in the greenhouse and for covering lawns from September to frost. Keep it in stock, it is a seller.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST., BEVERLY, MASS.



The Recognized Standard Insecticide. Not a cure-all but a specific remedy for all sap sucking insects infesting plant life such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Does not stain the foliage.

75c. per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used one part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN.

Aphine Manufacturing Co., Madison, N. J.

Manufacturers of Agricultural Chemicals

M. C. EBEL, General Manager.

FERTILENE

THE IDEAL PLANT FOOD. Unequaled for Producing Lusty

- CHRYSANTHEMUM BLOOMS

Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. Sample packets of one-half pound mailed for 30c. Sample packets of one pound mailed for 50c.

ELMER D. SMITH & CO., ADRIAN, MICH.

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS
**Pearson Street
LONG ISLAND CITY, N. Y.**
A. H. HEWS & CO., Inc.
**Main Office and Factories
CAMBRIDGE, MASS.**

OBITUARY.

Orville J. Upham.

Orville J. Upham, a prominent market gardener of Needham, Mass., died at his home on Nov. 19, at the age of 76. His wife and two sons survive him.

Charles C. Munsell.

On November 18, Charles C. Munsell, for many years a florist in Hartford, Conn., died in the hospital after a long illness. He was born in East Windsor Hill, Conn. For many years he was with D. A. Spear and later had a store of his own. He was 77 years of age.

NEWS NOTES.

Walpole, Mass.—The greenhouses of W. E. May have been closed as Mr. May has gone south.

Dayton, O.—Fifteen acres of land have been purchased by C. F. Mahan on which he will grow flowers and vegetables.

Milwaukee, Wis.—The capital stock of the Holton & Hunkel Greenhouse Co. has been increased from \$50,000 to \$125,000.

Allentown, Pa.—The greenhouses formerly owned by A. B. Ellsworth have been moved to the property of Marcus De Long, Thirty-eighth and Linden streets.

Dayton, O.—Harry Treadway, formerly at 214 Clayton street, has moved his greenhouses to 513 Valley street and will be known as the North Dayton Greenhouses.

Saddle River, N. J.—The clerk of the weather treated the Secretary of the Florists' Hail Association to a nice hail storm last Sunday afternoon. Some of the hail stones were as large as marbles, but there being no wind, there was no broken glass.

FIRE RECORD.

Lake City, Minn.—A storehouse belonging to the Jewell Nursery Co. was totally destroyed by fire recently with all its contents.

Fredonia, N. Y.—Fire recently destroyed a barn belonging to the Larder Floral Co. on Free street. Loss about \$2,500, partially covered by insurance.

Announcement is made by the agricultural department at Washington that five species of insects have been discovered which feed on and destroy the fruiting bodies of the chestnut blight disease, which has been baffling horticulturists and working great havoc to chestnut trees. The beetles eat the blight of the fungus and experiments are said to have shown that they effectually stamp it out.

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.

CONSTRUCTION OF COLD FRAMES.

Editor HORTICULTURE:

We are going to build a line of twenty-seven cold frames and would like some information on same. Would you advise building of wood, brick, concrete, or concrete blocks? Which would be the cheapest of the last three mentioned and how would they compare in price to the wood? How deep should we excavate, and how would we make same rat and mole proof? Any information on the above will be greatly appreciated by a— SUBSCRIBER.

HORTICULTURE PUBLISHING CO.:

Referring to the above inquiry we would answer as follows:

We should advise under ordinary conditions to build the walls of concrete; prices of material differ in different parts, but of the three, concrete walls are ordinarily a little cheaper than brick or concrete blocks.

If the walls are to be built at a place very near to a concrete block factory, the condition would perhaps be changed. It is hard to say just how much more expensive any one or all of these walls are, than wood, as the prices on lumber are also different in different places.

We should advise that the pits should be 3 feet to 4 feet deep. The depth of the pit is somewhat a matter of opinion as different purposes require different depths. The only way to make such pits thoroughly rat and mole-proof is to make the side walls and bottom of masonry, preferably of concrete. When heat is required in such pits or frames it is easy to place two lines of 2-inch pipe, one on each side wall, one flow and one return. In many cases, however, the only heat used is that derived from bed of manure in the bottom of the pit.

We would suggest that "Subscriber" obtain a copy of booklet "Two P's, or the Pleasure and Profit of Cold Frames and Hot Beds," published by Lord & Burnham Company, which may be had for the asking.

FRED J. ELDER.

Mgr. Boston office Lord & Burnham Co.

GREENHOUSES BUILDING OR CONTEMPLATED.

Madbury, N. H.—W. H. Elliott, addition.

White Hall, Ill.—White Hall Green-

houses, Samuel Rimbey, proprietor, range of houses.

Angola, Ind.—R. Ford Carpenter, one house.

Los Angeles, Calif.—Harrison Gray, one house.

Greens Farms, Conn.—E. T. Bedford, 90 foot house.

North Adams, Mass.—Rudolph Marshall, addition.

Dixmont, Pa.—Dixmont Hospital, house 25x100.

Alton, Ill.—Newman Floral Co., house 25x100.

Westport, Mass.—Earle P. Charlton, range of houses.

Auburn, Me.—Roak Greenhouses, High street, one house.

Guilford, Conn.—B. A. Latham, Graves avenue, addition.

Columbus, Ohio—William Burst, Mound street, one house.

San Antonio, Texas—P. A. Robertson, Moon street, one house.

East Haven, Conn.—John Long & Bro., 241 Ferry street, one house.

Lansing, Mich.—C. L. Going, East Grand River avenue, house 21x100.

Denver, Colo.—C. A. Benson, South Grant and Yale avenue, one house.

1000 READY PACKED CRATES

STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1 1/4 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	450 4 1/2 " " 5.24
1500 2 1/4 " " 5.25	320 5 " " 4.51
1500 2 1/2 " " 6.00	210 5 1/2 " " 3.78
1000 3 " " 5.00	144 6 " " 3.16
800 3 1/4 " " 5.50	120 7 " " 4.20
	60 8 " " 3.00

HILFINGER BROS., Pottery, Fort Edward, N. Y.

August Rölker & Sons, 31 Barclay St., N. Y. City, Agents

OUR SPECIALTY—Long Distance and export trade

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts. Washington, D. C.

Syracuse Red Pots

With new and improved machinery, we can supply your wants to better advantage than ever.

Special discounts on large orders.

Syracuse Pottery Co., SYRACUSE N. Y.



**AN IMPROVED
PIPE
HANGER**

allows for expansion of individual pipe as well as the whole coil.

Write
For Prices

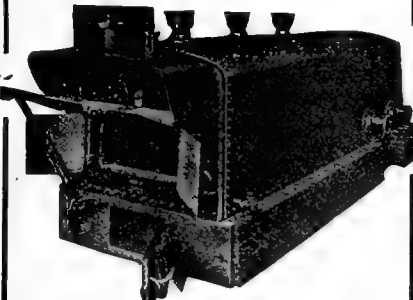
**KING
CONSTRUCTION
CO.**

N. TONAWANDA,
N. Y.

BOSTON, 410 Winthrop Bldg.
NEW YORK, 1181 Broadway.

**KROESCHELL
BOILER**

SEND FOR CATALOGUE



KROESCHELL BROS. CO.
466 W. Erie St., Chicago, Ill.

**METROPOLITAN
MATERIAL CO.**

PATENTED
Greenhouse Boilers and
Construction Material

Please Send for Catalogue
and Prices.

1392-1414 METROPOLITAN AVE.
BROOKLYN, N. Y.

CHARLES H. DODD

Greenhouse Builder. General Greenhouse
Mechanic.

Iron Frame and Wood Bar Houses.
Ideal Greenhouse Boilers.
Materials Furnished or Erected. Heating
and Ventilating Materials

578 Ocean Ave., JERSEY CITY, N. J.

SHARP, PARTRIDGE & CO.
Are Leaders in
GREENHOUSE GLASS
OUR PRICES WILL PROVE THIS. CHICAGO, ILL.



**ARE YOU
HARD TO PLEASE?**

If so, write us. If not, write us anyway. We have a line of ventilating equipment and greenhouse fittings that is the best manufactured, and if you want entire satisfaction, order your material from us.

OUR NEW CATALOGUE
just out; do not fail to get one.


ADVANCE CO., - Richmond, Ind.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER

GREENHOUSES
ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.



Evans 20th Century Arm


Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

Write for free Catalogue to
QUAKER CITY MACHINE CO.
Richmond, Ind.

Greenhouse Materials FURNISHED AND ERECTED
IRON or WOOD SASH BARS

In all lengths up to 32 feet.
Milled to any detail furnished or will furnish details and cut materials ready for erection.

Frank Van Assche, Fulton Ave., Rose Ave.
and Dwight Street
JERSEY CITY, N. J.



WROUGHT IRON PIPE FOR SALE

Rethreaded, thoroughly overhauled, in random lengths, guaranteed free from splits or holes.

It will pay you to communicate with us

ALBERT & DAVIDSON
217-23 Union Avenue Brooklyn, N. Y.

**SPECIAL
NUMBER
December 14!**

**ADVERTISE YOUR
SURPLUS!!**

CASH RETURNS!!!

GLASS

for GREENHOUSE and HOT BED SASHES. Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.
215-217 Havemeyer St., Brooklyn, N. Y.

**Dreer's Peerless
Glazing Points**
For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.

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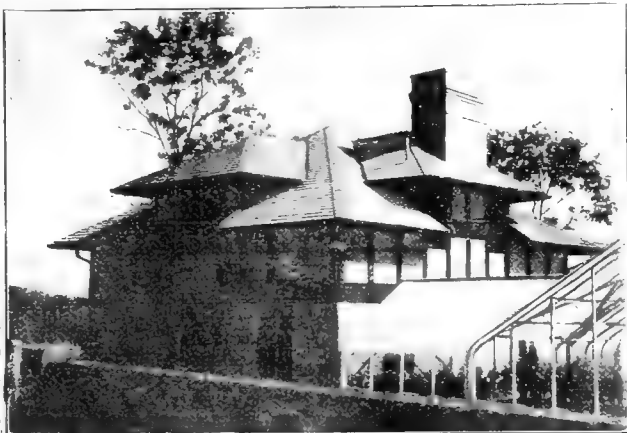
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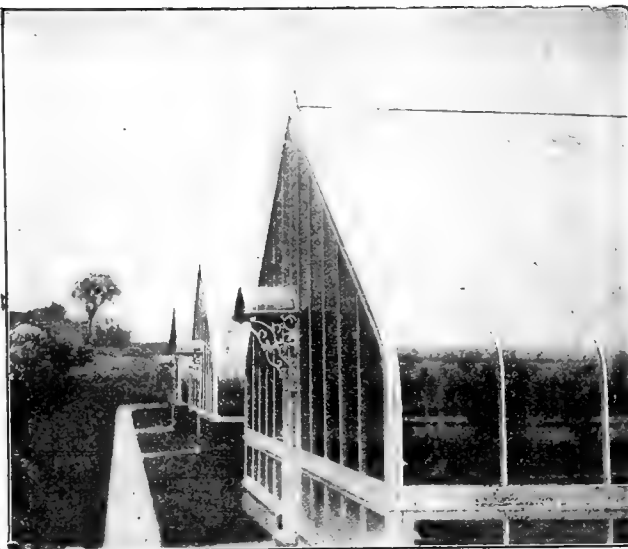
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HORTICULTURE

Vol. XVI.

DECEMBER 7, 1912

No. 23



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See Pages 792, 793, 794, 795

A BULL trader, at the end of a bear day, tried a fifty cent "regular" dinner in New York, and was astonished to find it quite palatable. He said to the proprietor, as he paid his bill, "That was really a very good dinner; I don't see how you can give it for the money." The proprietor looked sad as he replied: "Oh, well, you know, accidents will happen." The florist occasionally may be astonished to find that a lot of low-priced lily bulbs turn out very good—accidents will happen. **Horseshoe Brand Bulbs** never "happen" to be reliable—they are reliable by nature, with a uniformity of excellent quality, which costs money to produce and saves you money to buy. The hardy Japanese Lilliums, such as Auratum, Magnificum (the improved Rubrum) and Album, are a most excellent adjunct to the progressive retail store, and in the proper season adds greatly to that variety of refinement in flowers so attractive to flower-lovers. In bulbs of this kind, the largest and highest priced bulbs always pay the best if properly grown, and there is nothing more handsome than a fine large plant of Speciosum Lillies or Auratum, with many flowers. Mammoth bulbs must be ordered about a season in advance. We give below what we have to offer for delivery now, or during 1913; and also a list of **Horseshoe Brand Giganteum**—the best cold storage white lily in the world. Send your orders in now—they will never cost less and may cost more later.

SPECIOSUM LILIUM MAGNIFICUM.

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*F. o. b. Chicago, Cincinnati, Pittsburgh and New York.
†F. o. b. Pittsburgh and New York only.

Inquire for prices for fall delivery of fresh bulbs, before ordering elsewhere.



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HORTICULTURE

11 Hamilton Place, Boston

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Christmas Foliage Plants

Now is the time to begin preparations, in order to have a full share of the Christmas trade in foliage plants. Look over your stock and where you have not enough get them without delay. (See Buyers' Directory in this paper.—Ed.)

Now a word about cleanliness. The sending out or placing on view for sale plants infested with insects is to be deplored. Before the rush starts get busy and give all your foliage plants a thorough good cleaning, with some good insecticide such as Aphine or Lemon Oil. Wash all the dirt and green scum from the pots. Keep the syringe going from this out and it will help to keep your plants clean and fresh looking.

Fancy Pelargoniums

These plants can be given a house where the temperature runs anywhere from 45 to 50 degrees at night with usual rise during the day time with sun heat. These plants like a dry atmosphere so keep the house in this state if you want them to do well. When the plants have filled their pots with roots they can be given a shift. Those that were struck in September will require now or before long a 4-inch pot. Use a compost of fibrous loam three parts and well rotted manure one part. Have the mixture somewhat roughly broken up and give plenty of drainage as the water will need to pass off freely for them to do well. Be very careful when giving these plants water from now on and do not apply water until the soil is quite dry as they will not bear a wet state of the soil. Give them uniform ventilation whenever possible, but shield against any drafts of cold frosty air. Guard against the green fly plague by subjecting them to the fumes of tobacco smoke regularly once a week.

Decorative Ferns

We are now coming to a season when we should watch light, airing, watering and temperature to bring ferns through the winter in good shape. From now and up to the middle of February all ferns generally used by the florist will stand full sun. They will require very skillful watering now that the shortest and darkest days are with us again. As a rule from this out wait until they show a slight dryness at the root and then give them enough of water so it will run through the bottom of the pot. Handle the ventilation so as to give them a proper amount of fresh air without chilling draughts. Ferns always like a certain amount of atmospheric moisture through the house, but extremes either way should not be allowed. For intermediate ferns, i. e., those that require a medium temperature, 55 to 60 degrees will do, while those that require warm or stone heat should be given from 60 to 65 degrees at night.

Mr. Farrell's next notes will be on the following: Christmas Azaleas; Poinsettias; "Made Up" Plants; Flowering Plants for Christmas; Keeping Christmas Greens; Ferns for the Season.

Tea and Hybrid Tea Roses

Now is the time to dig up and pot a good batch of these roses for next spring's sales. Where you have not any stock you should invest in a few hundred as there is certainly an increasing demand for Hybrid Teas. These are good roses to handle for they are bound to give satisfaction by their free-blooming qualities. Pot into 5, 6 or 7-inch pots according to the size of the plants and give sufficient drainage and pot firmly. A good place to keep these roses is in a deep cold frame where they can be properly protected against hard frost or a very cool house will also answer very nicely. The white and pink Maman Cochet; Catherine Mermet, another good pink; Etoile de Lyon, yellow; Marie Van Houtte, creamy white; Duchesse de Brabant, pink, are all splendid Teas. In the Hybrid Tea class Mme. Caroline Testout, and Madame Abel Chatenay are fine pinks; Kaiserin Augusta Victoria, white; Gruss an Teplitz, a grand red, and there are many more.

Manetti Stock

Now is the time to think of your Manetti stock for next year's roses. You should procure them as soon as you can get them. When they arrive unpack and heel in some cool shed or cellar where they will be clear of frost. While heeling them in it is a good plan to pick out all those that show signs of growth and lay them to one side; these should be potted up as soon as possible. When you have come to potting use either 2 or 2½-inch pots, and any good rose soil for compost. Firm the soil well all around the pot, never leaving them in a loose condition or you will find trouble later on. Give a thorough watering and place in a cool house that runs anywhere from 40 to 50 degrees at night. Keep the tops well syringed daily to bring the wood and eyes to their plump condition which is essential to success. Grafting can be started just as soon as they have made good root action with a little top growth.

Rhododendrons for Forcing

These plants when forced come in very serviceable to the florist for spring trade. Now is a good time to get a batch of the newly imported plants and pot them up. It is always better to dip their balls in a tub of water so they will have a chance to get well wet through for there is nothing worse than to pot them with a dry ball of roots. They grow and flower well in a compost of two parts fibrous loam to one of leaf mold with some sand intermixed. Give good drainage and pack the compost firmly around the old ball. These plants want to be kept cool until January so give them a cool pit or house that is just clear of frost, but where you have not these conveniences a deep frame will answer very well. See that they are always kept moist at the roots.

HORTICULTURE

VOL. XVI

DECEMBER 7, 1912

NO. 23

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To
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 per cent.; six months (26 times), 20 per cent.; one year (52 times),
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Entered as second-class matter December 5, 1904, at the Post Office at
 Boston, Mass., under the Act of Congress of March 3, 1879.

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Get in line Less than four months now lies between us and the Third International Flower Show of the Society of American Florists to be held in New York City next April. The holiday activities will hold everybody down for a few days now but as soon as that is over the big exhibition should claim a good share of attention from all, whether intending exhibitors or prospective visitors. Let nothing that can possibly be avoided stand between you and this—the most important horticultural event since the great Boston demonstration in 1910. That it will exceed the Boston event in many particulars is to be expected. No one who aims to keep in the van of progress can attain

that end and yet stay away from this exemplification of the progress and the highest ideals of all branches of horticultural art.

Modernized show management

The fall shows—"their name is Legion"—are, at last, all over for this season and it is pleasing to note that as a rule they appear to have been financially successful. In fact, we recall no year when the reports in this respect have been so uniformly cheerful. This inspiring outcome is coincident with the very evident activity, all along the line, in the way of publicity and the adoption of the methods and management in use generally among "show" people and, no doubt, this turn is largely to be thanked for the improvement. A correspondent of the *Journal of Horticulture* (London) in commenting recently on the enormous attendance of people at the Shrewsbury Show, year after year, suggested that

"One reason is because Messrs. Adnitt, Naunton & Co. are master-hands in the art of advertising. When preparations were being made for the 'International' at Chelsea, there were hundreds of people in the provinces who never heard a word about it. This is not the case with Shrewsbury, and it is no use pretending that you have not heard of the event, for it stares you in the face wherever you go—a colored bill or a flaming poster on every boarding in town, village, or country place. Some people ask why Blackpool is the most popular seaside resort in England. It is simply because Blackpool advertises, and the same remark applies to Shrewsbury."

The institution, as well as the business man, that expects to live and secure prosperity through public interest and support, today, must advertise and "proclaim its story from the house-tops." We are glad to see that our horticultural exhibition managers are awakening to the necessity of following a course similar to that which has been so efficacious elsewhere.

Bermuda, a contrast

The editor has been indulging in a brief vacation trip to the Bermudas. This, in itself is an item of small consequence and, as to one's experiences on the voyage to and from that land of perpetual summer, the quaint sights of its ancient streets, its coral rock houses and semi-tropical scenery—all these have been often and fully described by other pens. But there is one impression which we have brought home that may interest some of our readers. It is that, notwithstanding the never-fading beauty of tropical gardens as compared with the devastated and cheerless landscape of our northland Novembers, there is yet a charm in our own changing seasons that nothing can surpass. True, it is by no means a pleasant sensation after one has sauntered through palm and banana groves and hedges of blooming oleanders and hibiscus, under resplendent canopies of bougainvilleas, and seen the dooryards glowing with poinsettias and crotons, the oranges and papaws ripening, the roses festooning the old walls and gate posts, the strawberries blossoming, and after revelling in all this exuberance of verdure to return to the bleakness and blustering rigors of a New England winter. But the dweller in the land of everlasting verdure knows nothing of the inspiration and ambition of returning spring time, when the tree and the man respond to its quickening influences; the glory of apple blossoming and lilac time, enhanced and intensified by contrast with the desolation of yesterday.

"A charm from the skies seems to hallow us there,
 Which sought through the world is not met with elsewhere."

But Bermuda is enchanted land, sure enough, and he who visits it will experience a pleasure never to be forgotten.

FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Strawberries

Strawberries can be started any time now. Seldom do we see a house given up entirely to growing them; if a small one can be given up to them, labor will be saved, as it takes time to shift them around. If it is convenient to have shelves in either vineries or peach houses that are being started into growth, strawberries will come along here without a shift as the rising temperature will suit them. It may be desirable to move them to more airy and drier quarters, as the fruit begins to color. Until then they will be all right. Have the pots washed clean soon after the leaves appear. If allowed to dry they are harder to clean. At the time of housing they may be too wet to handle; leave them until nearly dry, when the drainage of all should be examined and the soil rammed down, making it firm, after the frosts and rain have loosened the surface. Soon after the roots have become active an application of weak soot water will help to sweeten the soil. Not until after the fruit is set should any form of feed be given to them, as it only produces heavy foliage at the expense of the fruit.

Peach Buds Dropping

Now that the foliage is off peach and nectarine trees, a careful watch should be kept on the border, so that it does not dry out. A general impression would be that with no foliage on the trees, little or no water is needed, but if a peach tree is allowed to get dry at the root, the flower buds will fall later. It is not just now that the damage will be seen, but as the trees commence to grow or—in other words—immediately the sap commences to flow. Some have been heard to call it “bud jumping.” A syringe twice a week along through the winter is a help to the buds, especially to trees that were root pruned. Care must be taken when syringing these cold houses to see that the water does not freeze on the trees, or the results will be fatal to the flower buds. It may be necessary to nearly close the house for an hour after syringing to raise the temperature.

Pruning Vines

This was only dealt with briefly in an earlier issue, yet is of such importance as to warrant a space of its own. There are two distinct systems of pruning vines under glass, known as the short-spur and the long-spur systems. A vine is different from a peach, nectarine or apricot inasmuch as the fruit is borne on wood of the present season's growth; the other subjects mentioned form flower buds on young wood which develop to maturity the following season. When pruning peaches, for instance, all the young wood (that is, last summer's growth) that can be left in the tree without overcrowding is retained to produce the flowers and fruit the succeeding season. This is all dispensed with in a vine. It is a good plump bud we are after. Some carry this idea of a large bud to extreme, which develops the long-spur system. The lateral growths are just looked over, and the largest and plumpest bud selected as that to form the lateral the coming year, pruning back to this, irre-

spective of length left on the vine. A few years of this usually brings spurs of considerable length—weird, unsightly things. Some growers are able to produce a little larger bunches this way, but the percentage is small and when one considers the vast majority of growers who ignore it the conclusion must be one of indifference to it. In addition to the unsightly appearance of the long spurs, they form shelters for many pests. It is seen by the foregoing that the writer is no “boomer” of the long-spur system. I would only use it on vines doomed to be pulled out at the end of another season; then you are getting all that is coming.

The short-spur system is the shortening of each lateral, back to one, two or three eyes, which builds up a short compact spur. Some say “two eyes and keep to it as a fixture.” I say there are no positive fixtures in this business. The very base bud may be all you are looking for and is so placed that there will be no danger of its being rubbed out. This being the case, shorten back to one eye. The same conditions may exist, yet with an even chance of the bud being damaged; then leave two eyes, one to be rubbed out after growth commences. The three eyes may have to be left where the two base ones are poor or in such a position as to make it unwise to try to train them where they are needed.

After referring to strong and weak eyes some readers may remember an article last summer where I said the strongest growths do not produce the largest bunches. I still maintain that this is so; that is, those exceptionally strong growths. This is not inferring that a real weak growth is best. Get the eyes good and solid, the breaks evenly strong, and the bunches should be good. Prune the vines as early as possible no matter when they are being started. This not only helps to plump the eyes, but is the greatest safeguard against bleeding. Save a few of the best laterals if young stock is to be raised in the coming spring. Heel them in underneath a bench in a cool house or outside with some straw thrown over them. This will keep the eyes in good shape until needed and they will be accessible at any date.

Cauliflowers

Cauliflowers now developing will need plenty of water, but no feed. If growing in raised benches with the heating pipes underneath see that they do not dry out from the bottom. The hearts are best kept from the sun at all times. This can be accomplished by breaking two or three of the outer leaves over it. Green fly will often secrete itself amongst the tender foliage. When discovered fumigate the house at once.

Peas

Culinary peas are gross feeders and they also like a good supply of water. A thorough drying out will give the plants a check, oftentimes never forgotten. Peas coming in for Christmas can have some manure water as they go out of flower. Mildew is liable to put in an appearance with any neglectful ventilating. Take steps to check it before any serious damage is done.

“Fungine,” advertised in HORTICULTURE from time to time, will be found a valuable assistant.

CLUBS AND SOCIETIES

LANCASTER COUNTY FLORISTS' CLUB.

Every available seat in the Chamber of Commerce Rooms was occupied and camp stools called into requisition for our meeting on the 21st of November.

The subject of the evening was "Does it pay to grow chrysanthemums or not?" M. J. Brinton and B. F. Barr opening the discussion.

Mr. Brinton says that as chrysanthemums have been grown at their place ever since they first began to be a factor in the cut flower product of the greenhouse and presuming that they had ordinary business acumen, they must be a profitable thing to grow.

"Were I to grow carnations only as some of you do then I would either grow no chrysanthemums or at least only in the space needed for propagation and the growing of the young carnations as they would follow each other without interference and little loss of time.

I have tried on different occasions the potting of carnation plants from the field and holding them in frames to follow chrysanthemums but the quality of carnation blooms was so inferior to those from the earlier established plants that I shall try it no more.

The grower who needs many small bedding plants in the spring can profitably use a good portion of space with the Queen of Autumn and follow with these plants, or with pot stock intended for Easter.

As a rooted cutting proposition they can be made to succeed themselves to advantage, selling cuttings from them during the late winter and until time to renew the plants again.

I have left sweet peas for the last suggestion as a crop follower for the chrysanthemums and I believe they are one of the most profitable possibilities in the whole list. As I see it there are two requisites for success, solid beds and head room. While peas planted in October or November are not likely to grow as tall as those planted in August, if they are well watered and fed they will push several feet above one's head. The same soil can be used if properly enriched making the investment light. In planting these late peas do not plant the Spencers, for while they make an abundance of long stemmed flowers they do not bloom until the early outdoor varieties are almost beginning.

In conclusion I would say that chrysanthemums pay; anything that the public uses can be made to pay just as soon as high quality is produced at a moderate cost. The public want chrysanthemums and will pay for good ones."

Mr. Barr says that his personal experience has been varied;—"Sometimes I have found them profitable, sometimes not. If we can grow one flower to a plant that will wholesale at \$2.50 per dozen, or two flowers to a plant that will wholesale at \$1.50 per dozen. Growing the plants say eight by ten inches apart, we are making a fair margin of profit, providing the house

can be used for other crops as soon as the chrysanthemums are cut.

Varieties maturing before November could be sold at least 15 per cent. less, leaving the same margin of profit because we have the use of the space earlier in the season and getting a start before the very short days of winter.

It has been our custom the last few years to grow as few varieties as possible, each variety being scheduled to bloom at a certain season.

The varieties we consider most profitable to us from a retail point of view are as follows: For the early varieties, Golden Glow (yellow), Polly Rose (white), Glory of Pacific (pink). Unaka is considered a great favorite by many but with us it was a failure. For the mid-season varieties we grow Robert Halliday (yellow), White Cloud (white), McNiess (pink), and Major Bonnafton (yellow). For the late varieties we grow both yellow and white Mrs. Jerome Jones, Linwood Hall (white), Maud Dean (pink), and Rosette (pink).

We have been growing these varieties for the last four years. Some years ago I was very enthusiastic on the chrysanthemum question and bought stock of practically all the new varieties as they were introduced and found to my regret that the larger percentage of the new varieties were a total failure and a dead loss. There are exceptions, however; for instance when Yellow Jones was introduced I bought 500 plants; the first year the flowers did not pay for the labor of growing them, much less for the plants which were quite costly. Giving them another trial the following year they did remarkably well, producing splendid flowers, and we have been growing them ever since.

This is only an instance to illustrate that many times a new variety is discarded before it is given a fair chance. However, to make money out of chrysanthemums it is better to let them be tried out in different soils other than that of the producer before investing heavily in them.

The chrysanthemum season is really the fall opening of the florists' business, and by giving them the care and attention needed to produce first-class flowers and with the proper disposition of the beds after the flowers are gone I am quite sure they can be grown with a fair margin of profit."

These papers were followed by a general discussion, Mr. Nagle having made a success of the very early varieties with the use of sash to cover an out-door space; Mr. Law found the following up with carnations from four-inch pots a success where Golden Glow was the variety used as a predecessor. Some years back John N. May of Summit, N. J., grew carnations in flats four inches deep, these flats being held in cool houses until the chrysanthemums were out of the way and then simply set on the beds, not shifted, giving good results.

S. S. Skidelsky was a visitor and advised the growing of some of the better new varieties, as the larger grow-

ers were discarding old varieties for new ones and they certainly knew what they were doing. He also made some remarks on the matter of publicity along newspaper lines and was followed by the president who is in hearty accord with the newspaper end of this campaign.

It is proposed to make a visiting tour about once a month during the growing season of various establishments along the car lines, the first one being Nov. 30th, to Manheim, some thirty signifying their intention to go.

FLORISTS' CLUB OF PHILADELPHIA.

This meeting (December 3) was the first since the new committees for the year were appointed. None of them (the new committees) reported except the publicity committee. The president promised that there would be more activity in the derelicts by next meeting. The publicity committee have decided to make an appeal for funds from those interested. That is as far as they have got. The response to this appeal will make or mar the idea.

Adolph Farenwald gave his ideas on affiliation and Mrs. Chas. Russell rose. Xavier Schmitt spoke of a new pink chrysanthemum he had seen in New York. Wm. Robertson modestly gave his list of prizes won in bowling match at Newark, N. J., on November 19th.

The committee on exhibits reported favorably on carnation Northport. The chairman was not on hand and the balance of the committee had to be dragged up to get busy. I suppose, Mr. Editor, I should not tell you this; all told, it was a very poor and lifeless meeting. What in the name of the seven motherless cats do committees suppose they are appointed for?

This small news item is not worthy of my signature—which I append only when I think I have something of importance to say—but in case any one might think me hiding on the anonymous, here goes—

GEORGE C. WATSON.

AMERICAN ASSOCIATION OF NURSERYMEN.

At the last annual convention of the American Association of Nurserymen the city of Portland, Oregon, was selected as the place in which to hold the annual convention of 1913, but the dates for the convention were left in the hands of the Executive Committee for the purpose of consulting with the trade organization on the coast that dates might be selected best adapted for the holding of the convention. The Executive Committee have just decided upon June 18th, 19th and 20th for the convention.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the new rose—"Mrs. Charles Russell," by the Waban Rose

Conservatories, Natick, Mass., becomes complete;—and as no objections have been filed, public notice is hereby given that the registration of the Cannas—Blanche Wintzer, Loveliness, Jennie Walls Fahnlane, Panama, Lorraine, Maid of Orleans, Sam Trelease, and Wonderful, by the Conard & Jones Co., West Grove, Penn., becomes complete. JOHN YOUNG, Secretary.

November 23, 1912.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Report of Committees.

Exhibited at Cincinnati, Ohio, November 16, by Elmer D. Smith & Co., Mt. Kisco, white Inc. Jap. com. scale, 87 points; ex. scale, 89 points.

Exhibited at Chicago, Ill., November 23, by C. C. Pollworth & Co., Improved Golden Chadwick, yellow sport from Golden Chadwick, com. scale, 85 points.

CHARLES W. JOHNSON,
Secretary.

CLUB AND SOCIETY NOTES.

The Engelman Botanical Club will hold its monthly meeting on Monday night, Dec. 8, at Shaw's Garden, St. Louis.

D. F. Roy of Marion was the speaker at the Dec. 2 meeting of the New Bedford, Mass., Horticultural Society. His topic was chrysanthemum culture.

The Western New York Horticultural Society will hold its 58th annual meeting at Convention Hall, Rochester, N. Y., on December 11, 12 and 13. The program bears the picture of a "big red apple," in natural colors, and the contents further show that this society's work is exclusively connected with the fruit industry.

Editor of HORTICULTURE:

I wish to call your attention to an error in HORTICULTURE of last week which states that the Newport Horticultural Society awarded a gold medal to the new *Solanum capsicastrum* Melvinii. The award was a bronze medal. This society gives no gold medal awards.

JAMES ROBERTSON.

The St. Louis Florist Club will hold its monthly meeting on Thursday afternoon, December 12th, in Odd Fellows Hall. President Vincent of the S. A. F. will meet with the members and talk over S. A. F. matters. The trustees have completed all arrangements to receive and entertain the S. A. F. president, and the banner attendance for the last meeting of the year is looked for.

THREE NOTABLE CHRYSANTHEMUMS.

His Majesty.

I have seen this monster Jap on several occasions and under varying conditions. The last time was at the Floral Committee where it was unanimously awarded a first class certificate by a full meeting. It is one of the grandest novelties ever produced. It is, of course, a typical Show Jap., very full and double, with forets of medium width, of great length and recurving. In build the flower is a heavy one of massive proportions. The color the deepest velvety crimson reds with golden reverse. One of the cream of the season.

Mrs. Gilbert Drabble.

Those of us who saw the capacity of

YELLOW MRS. JEROME JONES.



Exhibited at Boston Show by James Nicol. Winner of Gane Memorial Prize.

this giant Jap. last year at the European shows will be interested to know how it behaves itself under American culture. At the Paris Show it was awarded the prize for the finest bloom in the show. In London it also made a remarkable impression. On the front cover of the last issue of *La Vie a la Campagne*, November 1st, there is a fine illustration of the bloom shown at Paris by Mr. T. Stevenson. As the petals hang it is 9½ inches deep by 8½ inches across. What it would be if measured in French fashion, i.e. with the petals stretched out flat it would be difficult to say.

Queen Mary.

Among the English novelties this is certainly not only a colossal Jap. but a flower of such substance and form as will appeal to the exhibitor all the world over. The petals are rather broad and grooved, slightly incurving and they cause the form of the flower to assume a deep solid compact and globular shape, reminding us in some stages of the old Dragon type. The color is a dead white. It will be a rival to Mrs. Gilbert Drabble if not a companion flower on the show board.

C. HARMAN PAYNE.

AN OMISSION.

In our account of the Cleveland show, last week, page 715, our correspondent failed to make mention of C. H. Totty's exhibits of his sensational new rose, Mrs. Geo. Sawyer. Mr. Totty reminds us that this rose won the class for 25 blooms, the class for 50 blooms and also the Sweepstakes.

NATIONAL FLOWER SHOW, NEW YORK, 1913.

In addition to the premiums already announced, Chairman C. H. Totty announces the following:

A. Lewisohn of Ardsley, N. Y., offers a silver cup, value \$150, for a display of roses in pots, covering 100 sq. ft.; competition open to private estates only.

John T. Pratt, Glen Cove, N. Y., \$25 for a display of gardenia plants in pots.

Geo. T. Schuneman, Baldwin, N. Y., \$25 for award by the American Sweet Pea Society, in a display class.

Harry Balsley, Detroit, Mich., \$25 for award at the discretion of the committee.

Samuel Untermeyer, Yonkers, N. Y., offers \$50 for 50 ft. of clematis, and \$50 for 50 ft. of gloxinias, arranged for effect.

Elberon Horticultural Society, a silver cup, value \$25, to be awarded as desired by the committee.

Chrysanthemum Society of America, \$10 for the best specimen plant of marguerite in the show.

Southampton Horticultural Society, \$25, or a cup of equal value, to be competed for by private gardeners only.

Tarrytown Horticultural Society, a sterling silver cup for award in the discretion of the committee.

Perpetual Flowering Carnation Society of England, offers its gold, silver gilt, and silver medals, to be awarded at the direction of the American Carnation Society.

Paterson (N. J.) Floricultural Society, a cup, value \$20, class to be announced later.

M. C. Ebel of Aphine Mfg. Co., two cups, one \$50 and the other \$25 in value, for the best table decoration.

Geo. Burnett, a silver cup, value \$25, class to be announced later.

C. B. Weathered, a silver cup, value \$25, class to be announced later.

The last three above mentioned prizes for competition by amateurs only.

W. T. Carrington, Portchester, N. Y., \$100 for the best display of annuals in pots.

Horticultural Club of Boston, \$100 for the best miniature landscape garden to be worked out in living trees and shrubs and to occupy a space of 15 x 20 ft.

J. H. PEPPER.

Chairman Publicity Committee.

HART MAKES HANDLES FOR POTS

With Paper or Porto Rican Mats They Make Baskets. These are the Well-Known HART'S HANDY HANDLES.

Shipments are being made now for Holiday use eastward to Boston, westward to San Francisco—and everywhere else. Once used, always used, because they are SO HANDY.

**Prices per dozen—No. 1, \$2.50; No. 2, \$3.50; No. 3, \$4.00;
No. 4, \$5.00; No. 5, \$6.00.**

GEORGE B. HART, 24 Stone St., Rochester, N.Y.

OUT OF THE GINGER JAR.

On page 740 of HORTICULTURE I find this sentence: "There is nothing that will kill a town quicker than cut-priced florists, because flowers are largely regarded as a luxury and there is no such thing as a cheap luxury." Where did Ralph get that idea? Rushes in Queen Elizabeth's day were a floor luxury, but in this glorious era of the world's history even a day laborer can have carpets—and cheap at that! On the contrary, Ralph, there is most emphatically such a thing as a cheap luxury, and of all the wonderful things we have to be thankful for it is—as our friend Ross says—"beauty and fragrance for little money." No greater crowning glory to the present era of civilization can be cited than its cheap luxuries. For which we all ought to be truly thankful. And not only that, but we ought to be particularly careful, in the interests of our business, to frown on the yawps of the daily press that dilate on the high cost of flowers. That proposition is and long has been an absolute myth. High-grade flowers are cheaper today comparatively speaking, than they ever have been before.

Leaders who have been marked successes in retailing flowers have based their campaigns on the low cost idea. Note for instance, the Century flower stores and the Ross Flower Shops in Philadelphia.

All the reputable trade papers have for twenty years back consistently set their faces against creating public opinion about the high cost of flowers. These notions originated with unthinking retailers and were passed along by the imaginative reporters. But all who took time to think a minute must have seen that it was the worst kind of bad form and bad business.

Of course, the very rich want to pay big money. They always want something abnormal, no matter what the cost, and a wise salesman can easily handle that. But to use that to attract the rank and file who in the long run are the mainstay is like say-

ing to them, "Keep away from us; only millionaires can enter here!"

The worst thing you can do is to talk about high prices for flowers. They never were so cheap in the world's history. One of the glorious privileges about living in 1912 is that we can afford things that only a king could have a hundred years ago. By all means boost the idea among the people that they can have "beauty and fragrance for little money." The man who does that with acumen and good judgment deserves plaudits from all of us and has a right to go around with rings on his fingers and bells on his toes.

GEORGE C. WATSON.

A NOTABLE DECORATION.

One of the most elaborate decorations ever gotten together in this country was put up in the great ball room and foyer of the Copley Plaza Hotel in Boston on Wednesday evening, Dec. 4, the occasion being the debut of a society young lady. The scene represented a Roman garden with all the accessories of pergolas, arbors, lattice work, fountains, pools and classic statuary. The artist who conceived and carried out the tremendous undertaking was Mr. James Farquhar and it took an army of lieutenants and helpers to place the thousands upon thousands of plants, forests of ericas and araucarias and ferns; cyclamens and Lorraine begonias in great waves of color, hanging baskets of white Lorraines by the hundred, vines and orchids in exquisite finish all contributed to a most entrancing picture which we hope to be able to show by illustrations in a later issue. The walls were hidden by formal arrangements of tall cedars and yews and the steps to the foyer and around the receiving stand drooped veritable fountains of that most graceful and fragrant of new decorative plants, *Buddleia asiatica*. It was a centre of interest in itself.

Rudolph Holtzelaw, who has just accepted a position as grower in the Rosebud greenhouses, Newton, Kansas, was formerly with the George M. Kellogg Flower and Plant Co., of Kansas City, Mo.

HORTICULTURAL CLUB'S VISIT TO THOMAS ROLAND.

The Horticultural Club of Boston held its monthly conference at the Parker House on Wednesday evening, Dec. 4. W. J. Stewart entertained the members with a descriptive talk on Bermuda, with observations on its climate, topography, people and plant growth. The guests were E. W. Breed, president of the Worcester County Horticultural Society, George B. Hart of Rochester, N. Y. and George Hampton, Philadelphia, Pa.

In the afternoon preceding the meeting a number of the members visited, on invitation, the establishments of Thomas Roland at Nahant and Revere. The sight that presented itself was one worth going many miles to see. Mr. Roland is recognized as a plant grower who has no superior in this country if anywhere. The visitors had an opportunity to admire the contents of the big acacia house where some thirty species are seen and many specimens are being put into shape to surprise the visitors at the International Flower Show in New York next spring. *Pubescens* and *Bayleyana* are the best of all in Mr. Roland's estimation. The Lorraine and cyclamen houses are simply gorgeous. Of the latter, all yearlings, Mr. Roland has been selling finished plants for the past two months and, starting with 16,000 has now only 4000 left. *Erica melanthera* up to 6 ft. in height, *ardisias dracaenas*, poinsettias, oranges, crotons, cattleyas, cypripediums and a glorious forest of crimson celosias are among the attractions and "made-up" pans of all these things with ferns were much admired.

At the Revere place another mammoth Lord and Burnham house, 60x525 is now receiving the finishing touches and the soil is all in and ready for the 16,000 tomatoes which are to be the first tenants. The other house of equal size is planted entirely with sweet peas which are already well up on the trellises and beginning to bloom. The heating of this plant is by steam and there is boiler capacity and stock sufficient to provide 750 H. P. The boiler house is of concrete and iron, and the equipment all through is of the best possible character.

"GET THEM AT DREER'S" ARAUCARIAS FOR THE HOLIDAYS



Araucaria Excelsa

4-inch pots, 6 to 8 in. high, 2 to 3 tiers.....	.60 each
5-inch pots, 14 to 16 in. high, 3 to 4 tiers.....	.75 each
6-inch pots, 16 to 18 in. high, 4 tiers.....	.75 each
6-inch pots, 18 to 20 in. high, 4 tiers.....	1.00 each
7-inch pots, 20 to 24 in. high, 4 to 5 tiers.....	1.25 each

Araucaria Excelsa Glauca

5-inch pots, 10 to 12 in. high, 3 tiers.....	\$.075 each
6-inch pots, 13 to 15 in. high, 3 tiers.....	1.00 each
7-inch pots, 16 to 18 in. high, 4 tiers.....	1.50 each

Araucaria Excelsa Plumosa

A splendid variety, almost as compact as Robusta Compacta, and of a richer, deeper color.

5-inch pots, 10 to 12 in. high, 3 tiers.....	\$.065 each
6-inch pots, 12 to 14 in. high, 3 tiers.....	.75 each
7-inch pots, 16 to 18 in. high, 4 tiers.....	1.00 each

Aspidistra Lurida

4-inch pots, 6 to 7 leaves.....	\$.040 each
5-inch pots, 8 to 10 leaves.....	.60 each
6-inch pots, 10 to 12 leaves.....	1.00 each

Aspidistra Lurida Variegata

5-inch pots, 6 to 8 leaves.....	\$.075 each
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Mixed Ferns for Dishes

While the "Dreer Grade" of Mixed Ferns has always sold for \$3.50 per 100, or \$30.00 per 1000, in competition with other stocks at \$3.00 per 100, or \$25.00 per 1000, we have decided to meet this price and our usual high grade plants will now be furnished at the reduced price of \$3.00 per 100, \$25.00 per 1000, but not less than 500 will be supplied at "thousand" rates.

Send for our Special Holiday Offer of Decorative Plants if you have not received a copy

HENRY A. DREER, Inc., 714 Chestnut St., PHILADELPHIA, PA.

The above prices are intended for the trade only

Orders for Xmas Received Now SPECIAL OFFER

OF

Our Stock of Flowering and Berried Plants for Xmas, 1912

Ardisia Crenulata, perfectly fruited for Xmas. 4½ and 5-in. pots, \$1.25, \$1.50, \$1.75; specimens, 5½-in. pots, \$2.50 and \$3.00 each.

Aspidistra, green, 10c per leaf; variegated, 12c per leaf (in all sizes from \$1.00 to \$5.00 each).

Bay Trees, Standards, 32-in. to 38-in. crown diameter, 40-in. to 48-in. stem, \$14.00, \$16.00 and \$18.00 per pair.

Cyclamen Persicum Giganteum, in variety, 5-in. to 7-in. pots, \$4.00, \$6.00, \$9.00 and \$12.00 per doz.; specimens, \$1.25 and \$1.50 each.

Gardenia Veitchii, 6-in. pots, \$6.00 per doz. in bud; specimens, \$3.00 each.

Kentias Belmoreana and Forsteriana, combinations from \$3.00, \$4.00, \$5.00, \$6.00, up to \$15.00 each.

Pandanus Utilis, 4, 4½ and 5-in. pots, \$3.00, \$4.00 and \$6.00 per doz.

Pandanus Veitchii, 5, 6, 6½ and 7-in. pots, 75c, \$1.00, \$1.50, \$2.00 and \$2.50 each; also by the dozen.

Boston Ferns, from 6-in. pots, \$50.00 per 100; 7-in., \$1.00; 8-in., \$1.50; 9-in., \$2.00 each.

Whitmani Ferns, from 6-in. pots, \$9.00 per doz.

Scottii Ferns, 6-in., \$50.00 per 100; 6½-in. pots, \$75.00 per 100.

Jerusalem Cherries, \$6, \$9, \$12 dozen.

New Solanum Caps. Cristatum, small miniature well berried var., doz., \$3 and \$4.

Azaleas in six varieties, all colors, from 25c. to \$5 each. **Poinsettias**, in pots and pans, from \$3 to \$36 per doz.

Erica Fragrans, \$12, \$15 to \$18 per doz.; specimens, \$3 to \$6 each.

Carnation Mrs. Schultheis, cerise pink, full bloom, 5½-inch pots to 7 inch pans, \$4, \$6, \$9.

**Attention! Special Offer
of Surplus Stock of**

HEATHER

As we have several hundred more well budded plants of the beautiful new pure white **EASTER VARIETY, ERICA CODONODES VEITCHII**, to be sold on account of lack of room, therefore, we offer perfect shaped and budded two year-old bushy plants from 5-inch pots, at \$50.00 per 100 - Net cash.

Cash with order, please, or satisfactory New York City references
Say if wanted shipped out of pots

ANTON SCHULTHEIS

316 19th Street, COLLEGE POINT, L. I., N. Y.

DIRECT IMPORTATIONS

Fall and Spring Shipments

Valley Pips. Berlin & Hamburg grades
Azaleas, Palms, Bays, etc., from Belgium
Begonia, Gloxinia Bulbs. Dec. shipment
Boxwood, Roses, etc., from Boskoop, Holl.
Maples, Planes, etc., from Oudenbosch, Holl.
Fruit and Ornamental Stocks from France
English Manetti. Jap Lilies, etc., etc.
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17 Murray Street, NEW YORK

HOLLY BOUQUET GREEN IMMORTELLES

With 4000 flowers.

A. HENDERSON & CO.
352 N. Michigan Ave. CHICAGO

CHARLES H. TOTTY
CARNATIONS AND
CHRYSANTHEMUMS
MADISON, N. J.

A useful Holiday Gift for your
friend or employee. A year's
subscription for

HORTICULTURE

Do It and be Happy

ROSES

From 2-inch pots—strong, own root.

Lady Hillingdon, fine stock, Grafted, \$25.00 per 100; Own Root, \$15.00 per 100.

Double Pink Killarney, Radiance, Mrs. Taft, Mrs. Wardell, My Maryland, Harry Kirk, \$10.00 per 100.

Pink Killarney, White Killarney, Kaiserin Augusta Victoria, Richmond, Perle, Sunrise, Sunset, American Beauty, \$8.00 per 100.

Bride, Bridesmaid, Bon Silene, La France, Grus an Tepits, Clothilde Souper, Souvenir de Wootton, \$7.00 per 100; \$60.00 per 1000.

Grafted, 2-inch pots.

Mrs. Taft, Pink Killarney, Maryland, Mrs. Wardell, Kaiserin, Bride, Bridesmaid, \$15.00 per 100.

Wood Brothers
FISHKILL, N. Y.

10,000

TABLE XMAS TREES

(NORWAY SPRUCE) 15 to 18 inches

\$3.00 per doz. \$15.00 per 100
bushy, nicely rooted, and a sure thing to sell.

ADOLF MÜLLER
De Kalb Nurseries
NORRISTOWN, PENN.

Nursery Stock

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

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Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

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P. O. No. 1, Hoboken, N. J.

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ROSES, PALMS.

and Novelties in Decorative Plants,
MARKET and 49th STREETS, PHILADELPHIA, PA.

LOECHNER & CO.

JAPANESE LILIES

LILY OF THE VALLEY PIPS

PALMS, AZALEAS, &c.

11 Warren Street, New York, N. Y.

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ROSE STOCK is of guaranteed quality

MILADY has won certificates from the best shows in the country. *The winner in the novelty class at St. Paul, Minnesota.*

MRS. CHAS. RUSSELL, the sensation of the year and

MRS. GEO. SHAWYER, the new pink forcing rose. The best of the older varieties to make a complete assortment of the best varieties.

CHRYSANTHEMUMS for commercial growing. Pompons and Single Chrysanthemums.

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PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS PLANTS, EVERGREENS, ROSES, RHODODENDRONS, VINES AND CLIMBERS, AUTUMN BULBS AND ROOTS, CONIFERS, PINES

Florists are always welcome visitors to our Nurseries. We are only a few minutes from New York City; Carlton Hill Station is the second stop on Main Line of Erie Railroad.

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Nurserymen and Florists Rutherford, N. J.

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American Nurseries, - Bagshot, Surrey, England

For lists of best kinds, and also for other ornamental shrubs



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SOUTH FRAMINGHAM . . MASS.
GROWERS OF HIGH GRADE NURSERY STOCK
LARGE ASSORTMENT
WRITE FOR PRICES BEFORE ORDERING ELSEWHERE

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For autumn sowing and exceptional results few equal. *Quality and prices beyond comparison. Get down to the turf.*

Write for List and Reserve Your Order
P. H. GOODSSELL

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BEDDING AND NATURALIZING. We have made arrangements with the leading growers to have our bulbs specially selected.

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Manager Sales Department
157-159 William Street (Basement)

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Important to our Customers When we buy HOLLAND BULBS we buy what is termed FLORISTS' STOCK, NOT SEED HOUSE STOCK. THERE IS A DIFFERENCE

REMEMBER YOU MAY DEDUCT 5 PER CENT IF CASH ACCOMPANIES ORDER

Preliminary offer of surplus bulbs. We have smaller quantities on hand of other varieties, (see our catalog) and write for special quotation.

HYACINTHS

Named varieties, our selection, White, Pink, Yellow, Light Blue, Dark Blue, Red.

Top roots.....	\$8.00 per 100
1st Size	6.50 per 100
2nd Size	4.75 per 100

DUTCH MINIATURE HYACINTHS

13 to 15 centimeters.....	1000
1500 Czar Peter, Light porcelain blue.....	\$18.00
1500 Grand Blanche, Pure white.....	17.50
1000 Grandeur a Merveille, Blush white.....	16.00
1500 King of Blues, Dark blue.....	18.00
1000 La Peyrouse, Porcelain blue.....	16.50

SINGLE NAMED TULIPS

1500 Couleur Ponceau, Rich cerise.....	7.50
5000 La Reine, White, slightly rose shaded.....	7.50
6000 Rosamundi Huikman, Bright pink.....	8.00
3500 Vermilion Brilliant, Brilliant scarlet.....	18.00
9000 Yellow Prince, Pure yellow.....	8.00
Prince of Austria, Orange vermillion.....	14.00
Sir Thomas Lipton, Brilliant scarlet.....	28.00
9000 Superfine Mixed, Single Tulips.....	7.00
Parrots Mixed.....	7.50

DOUBLE TULIPS

1000 Couronne d'Or, Yellow tinged with old gold....	16.75
5000 Murillo, Magnificent blush white.....	10.00
1000 Salvator Rosa, Deep rose.....	15.00
750 Titian, Double red.....	15.00
1000 Venerbook, Brilliant orange scarlet.....	16.75

MAY-FLOWERING TULIPS

1000 Bizarres.....	\$9.00
8000 Bouton d'Or.....	11.50
5000 Gesneriana macrophila.....	8.75
5000 Gesneriana spathulata or major.....	11.50
2000 Isabella, or Shandon Bells.....	9.00
5000 Maiden's Blush.....	10.00
1000 Boddington's Quality Superfine mixture May-flowering Tulips.....	7.50

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All Varieties. All Sizes.
Send for Price List.

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SUPERIOR MERIT

John Lewis Childs
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Import for the wholesale trade:

AZALEAS, PALMS, RHODODENDRONS,
DAYTREES, ROSES, LILACS, HOLLAND
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VALLEY, ETC.

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FERN BALLS**

SEND FOR PRICE LIST

Godfrey Aschmann

Wholesale Grower and Importer

1012 W. Ontario St.,

PHILADELPHIA, PA.

In writing to Advertisers kindly mention Horticulture

Seed Trade

Bean Prices.

Beans still remain one of the unsolved mysteries of 1912. It is past the 1st of December and yet we are informed that few if any of the growers have as yet submitted even a preliminary estimate to their customers. This is certainly an extraordinary situation and it is hardly to be wondered at that the customers are becoming somewhat impatient. Quite possibly, and we may say probably, the growers have not sufficient definite information at hand to justify them in making a statement of probable deliveries. Of course time solves all mysteries and doubtless this one will be no exception to the rule if we allow time enough. Some progress has been made, as is evidenced by the prices fixed at the recent meeting of the Wholesale Seedsmen's League in New York. As this meeting virtually fixes the prices for the January or regular annual wholesale price lists, the directors of the League were compelled to take some sort of action, although admitting that the prices were not based on very definite information. It is to be hoped that conditions are not quite as bad as the prices would indicate.

Miscellaneous Staples.

From information we have received, we judge that no very radical changes have been made in the prices named at the October meeting of the League. While they have been carried out more fully, with a few exceptions changes have been slight. Garden peas remain at about the same figures; carrots are lower, and, we judge, no effort was made to fix prices on the named varieties of sweet peas. It is doubtful if even the wholesale houses will be able to offer the named varieties at all, and the mixtures in only limited quantities and at figures that would have seemed high for the fancy named varieties a year or two ago. The shortage in the Southport Globe varieties of onion seed, with the exception of the white, has been fully confirmed during the past two months, and it is exceedingly difficult to procure either the red or the yellow in quantities at any price. Although the values named by the League look high, many are of the opinion that they should have been even higher.

Among the varieties which the past two months have developed that are not procurable are Hamburg and Plain parsley. At least, they are reported as crop failures and we learn are procurable only at retail and in very limited quantities. Among the items on which there has been some advance is corn. We had supposed that there was an abundant crop of corn this year, but have been informed that much of it is soft, and there is considerable risk attending its curing and fitting for seed purposes. This is probably why the Directors of the League thought it advisable to advance prices somewhat.

Garden Pea Percentages.

Within the past two weeks nearly all of the growers of garden peas have announced definitely the percentages they will deliver on contracts, and with very few exceptions these deliveries do not vary widely from their

preliminary estimates. A very few items have been reduced and a few have been increased, the net result being a slight average decrease from their early figures. Just at the present time we understand the growers are wrestling with the problem of prices for next year's crop, and we believe the consensus of opinion is that prices should remain about the same as those of a year ago. There may be some slight reductions in a few of the higher priced fancy strains, but there will be little or no change in standard varieties we believe. We have already called attention to the rather singular fact that the heaviest shortages have been in the standard varieties, and especially those used by the canning trades. Whether this was due to the crops or to being rather too closely sold up on the canners' sorts is a question which the growers can better solve than we.

The Seed Importation Act.

The Secretary of Agriculture has designated Tuesday, December 10, 1912, as the date for a hearing on the rules and regulations to be promulgated by him for the enforcement of "An Act To regulate foreign commerce by prohibiting the admission into the United States of certain adulterated grain and seeds unfit for seeding purposes." The hearing will be held at ten o'clock A. M. in the office of the Chief of the Bureau of Plant Industry, United States Department of Agriculture, Washington, D. C.

This act prohibits the importation into the United States of all seed of alfalfa, Canadian bluegrass, Kentucky bluegrass, awnless brome grass, clover, meadow fescue, millet, orchard grass, rape, redtop and timothy when adulterated or when containing more than three per cent. by weight of weed seeds.

It also prohibits the importation of seed of alfalfa and red clover containing more than ninety dodder seeds per pound.

It prohibits the importation of seed of barley, buckwheat, field corn, Kaffir corn, flax, oats, rye, sorghum, and wheat intended for seeding purposes when such seed is adulterated or contains more than three per cent. by weight of weed seeds.

Notes.

Oklahoma City, Okla.—Otto Bofinger succeeds J. F. Hickey as manager of the business of the Barteldes Seed Co. here. He was formerly in charge of their house in Lawrence, Kan.

Pensacola, Fla.—W. S. Vincent has established a seed and nursery business here which will be known as the Pensacola Seed & Nursery Co. Their nursery and seed farms are at Cottage Hill.

George B. Woodward has succeeded to the business of William H. Woodward & Son at Latham, N. Y. His father, William H. Woodward, passed away a little over a year ago, and the young man has been conducting the business with marked success. Young Mr. Woodward, we learn, is well acquainted and very popular with the market gardeners of his immediate vicinity where he does an extensive business, and he is also extending his business to central and western New York. He has our best wishes.

HEADQUARTERS FOR Christmas Greens

BOXWOOD (cut), 50 lb. box..... \$7.00
HOLLY (loose), selected, 1/4 case, \$1.50; 1/2 case, \$2.75; full case, \$4.00; 5 cases, \$18.75; 10 cases, \$35.00. Extra selected, 1/4 case, \$1.75; 1/2 case, \$3.00; full case, \$5.00; 5 cases, \$22.50; 10 cases, \$42.50.

HOLLY WREATHS, extra fine per 100 11.00
Michell's special, per 100 12.00
Michell's extra special, per 100 15.00

LAUREL WREATHING, 1st quality, 50 yds., at..... 4 1/2 c.
1st quality, 100 yds., at..... 4 c.
1st quality, 500 yds., at..... 3 1/2 c.
Extra quality, 25 yds., at..... 5 c.
Extra quality, 100 yds., at..... 4 1/2 c.
Extra quality, 1000 yds., at..... 4 c.

LYCOPodium (loose), 5 lbs..... .60
10 lbs., \$1.10; 50 lbs., \$4.75; 100 lbs., \$9.00.

LYCOPodium WREATHING, extra fine, 10 yds..... .70
Extra fine, 100 yds..... 6.50
Michell's special, 10 yds..... 1.00
Michell's special, 100 yds..... 9.00

LYCOPodium WREATHS, 12 in., each30
12 in., dozen 3.25

MISTLETOE (native), 1/4 case, \$3.00; 1/2 case, \$5.50; full case, \$10.00; 1b. (Mexican), 50c; 50 lbs. at 40c. per lb.

MOSS (green lump), 1 bbl. bag, \$1.25; 5 bbl. bag, \$6.00; 1 bbl. bag (sheet), \$2.50; 1 bbl. bale (sagnum), 60c; 5 bbl. bale, \$2.00; 3-5 bbl. bale, \$5.75.

NOTICE. Christmas Greens are sold on a very small margin of profit, and terms to approved customers are January 10th, 1913. New customers not rated in Bradstreet's or Dun's will kindly send cash, less 2 per cent on first order to insure quick shipment.

We suggest ordering at once, as stock may run short; also give us shipping dates.

SPIREA (Just received)

	Doz.	100	1000
Astilboides Florida	.....\$ .90	\$6.25	\$57.50
Compacta Multiflora	..... .90	6.50	62.50
Gladstone	..... 1.30	8.00	77.50
Japonica	..... .75	4.75	42.50
Philadelphia	..... 4.25	30.00	

FLOWER SEEDS (New Crop)

VERBENA SEED

Mammoth Fancy Blue, Pink, Scarlet, Striped, White, 30c. tr. pkt., \$1.25 oz. Mixed, 30c. tr. pkt., \$1.00 oz.

VINCA SEED

Alba (white with eye), **Alba Pura** (pure white), **Rosea** (pink), 15c. tr. pkt., 50c. oz.

Mixed (choice), 15c. tr. pkt., 40c. oz.

SALVIA SEED

Michell's Scarlet Glow.....\$.50 \$4.00
Bonfire40 2.00
Zurich50 4.00
Splendens25 1.25

SHAMROCK SEED

True Irish\$.25 \$.75

BEGONIA SEED

Semperflorens, Vernon.....\$.25 \$2.50
Gracilis Luminosa..... .40
" **Rosea, Alba**..... .30
" **Prima Donna**..... .50

ASPARAGUS SEED

Plumosus Nanus, Greenhouse Grown. 100 seeds, 50c.; \$3.75 per 1,000 seeds; 5,000 seeds, \$15.00; \$34.00 per 10,000 seeds.

Send for Our Latest Wholesale Catalogue, Flower Seed Order Sheet just issued, shall we send you a copy? It's very handy to order your Flower Seeds from this order sheet.

Michell's Seed House
518 Market St.
PHILA., - - - PA.

Hyacinths and Narcissus

TO CLOSE OUT ENTIRE STOCK

HYACINTHS, Single named. Your choice of colors.

Second Size \$3.00 per C.
First Size 3.50 per C.
Exhibition Size 4.00 per C.
Unnamed Separate Colors. 1.60 per C.

NARCISSUS,
Empress Double Nose.... 1.00 per C.

To secure these prices mention this Paper.

James Vick's Sons
ROCHESTER, N. Y.

TOMATO SEED

BEST STOCKS. ALL VARIETIES.

The Haven Seed Co.

Growers for Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

Burpee's Seeds
PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.

Place Your Order Now For
**AYRES' WINTER FLOWERING
SWEET PEA SEED**

For Fall Delivery

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

Sunnyslope Independence, Mo.

CHOICE SEEDS

FOR PRESENT PLANTING

SHAMROCK, TRUE IRISH, PER OZ., \$1.00

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In ordering goods please add "I saw it
in HORTICULTURE."

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Contracts made for Seed Growing

Send for price list

E. S. MILLER, WADING RIVER, N. Y.



BULBS

Plant Now--All Sound

Gladiolus Peach Blossom

Per 500, \$5.00; Per 1000, \$9.00

O. V. Zangen, - Hoboken, N. J.

BULBS

For Fall Planting

Price List for the Asking

The W. W. Barnard Co.

231-235 W. Madison St., CHICAGO

The Everett B. Clark Seed Co.

GROWERS FOR THE TRADE

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan and Wisconsin **MILFORD, CONN.**

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Write for Samples
and Prices.

THE BROWN BAG FILLING MACHINE CO.
FITCHBURG, MASS.

GARDEN SEED

BEEF, CARROT, PARSNIP, RADISH and
GARDEN PEA SEED in variety; also other
items of the short crop of this past season,
as well as a full line of Garden Seeds, will
be quoted you upon application to

S. D. WOODRUFF & SONS, 82 Dey St., NEW YORK
and Orange, Conn.

POINSETTIAS 2 1-2 in. strong, \$5 per 100;
\$45 per 1000

CYCLAMEN SEED the celebrated English
strain, \$9 per 1000

PANSY SEED, home-grown, finest giant
strain. \$5 per oz.

Send for Catalogue.

S. S. SKIDELSKY & CO.
1215 Betz Bldg. Philadelphia.

PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds }

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS

Write for Prices

BRASLAN SEED GROWERS COMPANY, INC.

Growing **ONION, LETTUCE, CARROT and RADISH** San Jose, California

LILIES

Lilium Myriophyllum

Lilium Sargentiae

The bulbs of these magnificent new Lilies are now ready for delivery. For the best results next year, they should be planted at once.

Price \$1.50 each, \$15.00 per doz.

R. & J. Farquhar & Co.
Boston, Mass.

Thorburn's Seeds

Florists will be interested in our unusually comprehensive selection of high class seeds this year.

Wholesale Price List
Ready in January.

J. M. THORBURN & CO.

110 years in business in New York City

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WHOLESALE FIELD AND GARDEN SEEDS

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BALTIMORE, MD.

NEW CROP

English Mushroom Spawn
JUST ARRIVED

\$8.00 per 100 POUNDS

WEEBER & DON

Seed Merchants and Growers,
114 Chambers Street, New York City

GET IT FROM

Oklahoma Seed Growers Co.

1912 SURPLUS LIST OF

Watermelon and Muskmelon Seeds

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DETROIT, MICH.

Artistic Designs . . . High Grade Cut Blooms

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sections of Ohio, Indiana and Canada.
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NEW YORK

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Bloomingdale's

The Largest Floral Establishment in the Metropolis
Best Service—Quick Delivery—Modest Prices
Telegraph Orders Carefully Filled

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CHICAGO, ILL.

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We ship to all points in Illinois and Iowa.
Phones: Aldine 880. Aldine 881. Aldine 882.

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Kansas City, Mo.
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All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE

Pres.

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WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or
Kansas.

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
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tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

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You can with entire confidence
and safety accept orders for flow-
ers, designs, plants, etc., to be de-
livered on Christmas or New Year's
Day or as desired, in any of the
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the advertisers in these pages. The
florists whose cards appear here are
without exception leaders in their
respective localities and are de-
pendable. Give them your transfer
business.

ST. LOUIS NOTES.

Frank Fillmore, 87 years old, father
of F. J. Fillmore, florist, in the South
End, fell and broke his leg the past
week and is at St. Mary's Hospital.

STEAMER DEPARTURES

Allan.

Corinthian, Boston-Glasgow..Dec. 19

American.

St. Paul, N. Y.-S'hampton...Dec. 14

Cunard.

Saxonia, Boston-Liverpool....Dec. 10

Caronia, N. Y.-Liverpool....Dec. 14

Mauretania, N. Y.-Liverpool..Dec. 17

Hamburg-American.

K. Aug. Vic., N. Y.-Hamburg..Dec. 12

Holland-America.

New Am'dam, N. Y.-H'mb'rg..Dec. 10

Noordam, N. Y.-Rotterdam...Dec. 17

Leyland.

Winifredian, Boston-Liverp'l..Dec. 14

North German Lloyd.

Roon, N. Y.-Bremen.....Dec. 12

Kr. Cecilie, N. Y.-Bremen....Dec. 14

Barbarossa, N. Y.-Bremen....Dec. 19

Red Star.

Zeeland, N. Y.-Antwerp.....Dec. 11

Finland, N. Y.-Antwerp.....Dec. 18

White Star.

Adriatic, N. Y.-Liverpool....Dec. 12

Canopic, Boston-Mediterr'n...Dec. 12

Oceanic, N. Y.-S'hampton....Dec. 14

Arabic, Boston-Liverpool....Dec. 17

Baltic, N. Y.-Liverpool.....Dec. 19

Mr. Fillmore is one of the oldest flor-
ists in the city and is retired. He is
well known to all in the trade.

John J. Wunderli of the Alexander
Floral Co., St. Louis County, "eloped"
as he says and was married on
Wednesday, November 27, at Clayton,
to Miss Anna Urban of St. Louis. Mr.
Wunderli is a widower; his children
having eloped recently he thought it
a joke to do the same.

Invitations have been sent out by
the Missouri Botanical Garden for the
twenty-third annual Shaw banquet for
gardeners, florists and nurserymen to
be held at Washington Hotel, St. Louis,
on December 13th, at 7 P. M. The
principal speaker of the evening will
be Richard Vincent, Jr., president of
the Society of American Florists, his
subject being the London Flower Show.
The Florist Club has been invited to
attend and some of the speakers will
be selected from this body.

Visitors: Martin Reukau of Bay-
ersdorfer & Co., Philadelphia, and
Frank McCabe of A. L. Randall Co.,
Chicago.

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our selection for delivery on steamships
or elsewhere receive special attention.

Cost of Cabling Foreign Deliveries
Must be Prepaid

Reference or cash must accompany all
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Cable Address, ALEXCONNELL.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

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Or OUT-GOING STEAMERS

Write or telegraph

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Telephone 1552-1553 Columbus

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42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

GEORGE M. STUMPP

761 Fifth Ave., Cor. E 58th St.

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Wilson
1897

BROOKLYN
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3 & 5 Greene Ave.
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FLOWER DELIVERIES FOR ALBANY
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DELIVERED IN ALBANY AND VICINITY
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Amsterdam, N. Y.

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Established 1874

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N. E. Cor. 44 St. & Madison Avenue, N. Y. City

(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspon-
dence in all the large cities of Europe and the British
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and all T. J. JOHNSTON & CO.,
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Send flower orders for delivery in Boston
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124 Tremont St., Boston

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In Quality and Design

Can be relied upon when you transfer your
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342 Boylston St., Boston

Vases, Garden Furniture, Art Goods and
New Designs in Tuscan Baskets for
Florists' Use, in Wholesale Department.

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Deliveries to all Points in New England.
125,000 square feet of glass.

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Transfer Your Orders to

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J. B. KELLER SONS, FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2130
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Flower Deliveries in

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38 MAIN STREET, WEST.

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JULIUS EPPSTEIN — FRANK H. FORREST

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and Hotel St. Francis, CAL.

We cover the entire Pacific Coast and West
of the Rockies. Wire us your orders for
all Steamers sailing for Honolulu, Manila
and the Orient. Regular Trade Discount

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The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
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Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Ed. MacMulkin, 194 Boylston St.
Boston—Penn, the Florist, 37-43 Brom-
field St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Phillip L. Carbone, 342 Boylston
St.

Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.

Detroit, Mich.—Florists' Telegraph De-
livery Association.

Kansas City, Mo.—Samuel Murray, 912
Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.

Newport, R. I.—Gibson Bros., 36 Wash-
ington Sq.

New York—George M. Stumpp, 761 Fifth
Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St.
and Madison Ave.

New York—Alfred T. Bunyard, 413 Madl-
son Ave.

New York—Bloomingdale's.
Providence, R. I.—T. J. Johnston & Co.,
171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main
St., West.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

San Francisco, Cal.—The California
Florist, 344-346 Geary St.

San Francisco, Cal.—Pelicano, Rossi &
Co., 123 Kearny St.

Schenectady, N. Y.—J. C. Hatcher.
St. Paul—Holm & Olsen, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Wellesley, Mass.—Tailby.
Worcester, Mass.—H. F. A. Lange.

NEW FLOWER STORES.

Bellaire, O.—James M. Bishop.

New Castle, Ind.—Otto Benthay,
Broad street.

Oakland, Calif.—M. J. O'Gara & Co.,
Seventh street.

Sioux Falls, S. D.—M. M. Strong, 119
West Ninth street.

Dayton, O.—Mrs. J. C. Ewing, Third
street and Broadway.

Springfield, Mass.—The Flower
Mart, 80 Main street.

Couer d'Alene, Ida.—H. J. Lubben,
Rex Theatre building.

Montgomery, Ala.—Edmund Wil-
liams, Lawrence street and Monroe
avenue.

Lancaster, Pa.—George C. Goldbach,
141 North Duke street. Mrs. Freda
Hollis, 122 West Strawberry street.

Overbrook, Pa.—The retail flower
store of Miss Eva F. Fletcher, 2095
North Sixty-third street, has been tak-
en over by Ernest Wanamacher.

BOSTON, MASS.

Penn the Florist

"Penn, The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET

TRANSFER

Your orders for flower or plant de-
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JULIUS A. ZINN
1 Park St., Boston



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GUDE BROS. CO
FLORISTS
1214 F. ST., N.W.
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WASHINGTON,
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GUDE'S

Member Florists'
Telegraph Delivery.

Chicago.

A. LANGE,

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THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

WASHINGTON

915 F ST. N. W.

F. H. KRAMER

Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work 1st Class

RHODE ISLAND

JOHNSTON BROTHERS

Leading Florists. Orders filled for any
part of the State.

38 Dorrance Street - - - PROVIDENCE

LOUISVILLE, KY. JACOB SCHULZ,

550 South Fourth Ave.

Member Florists' Telegraph Delivery.

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Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**

Tel Wellesley 44-1 and 2. Night 44-3

I WILL GIVE \$10.00

for the best article of about 150 words
on "Practical Ways for Florists to Sell
Flowers in Florist Work."

Send manuscript to me before Dec. 31.

S. E. SPENCER

Proprietor Brookland Gardens
58 Congreve St. - - - ROSLINDALE, MASS.

HAVE YOU TRIED THE NEW Christmas Decorative Grass

It's the only kind to make your Christmas Wreaths and other designs attractive. They make them ready sellers and good profit yielders. Prepared under New Methods. Called the **ARTISTIC VELOUR GRASSES**

STATICE VELOURED in all good flower shades
—Pink, Lavender, Purple, Red, Dark Lavender,
Blue.

VELOURED ADIANTUM, Red and Green.

VELOURED RUSCUS, only in Red.

RED ARAUCARIA, in Red.

RED MINERVA (Red Heather).

RED BELLS.

POINSETTIAS.

RED ASPARAGUS ACUTIFOLIA and other colors.
RED ADIANTUM.

RED IMMORTELLE WREATHS.

RED CYCAS LEAVES.

RED CYCAS WREATHS.

RED MATS.

RED CREPE, pleated } Other colors if desired.
RED, WATER-PROOF

H. BAYERSDORFER & CO.

**THE FLORISTS' SUPPLY
HOUSE OF AMERICA**

1129 ARCH STREET - - - PHILADELPHIA, PA.

CHICAGO NOTES.

Phil Eichling is again at his old place with Harry Rowe for the holidays.

J. H. Prost, city forester, is studying school grounds at Boston where he accompanied a delegation of teachers.

Frank Pasternick is now in the employ of Canger & Bergman, Fine Arts Building. He has been for nine years with E. Wienhoeber Co.

Joe Shouten, for seven years with the Geo. Wittbold Co., at Buckingham Place, has accepted a position with the E. Wienhoeber Co., Elm street.

J. K. M. L. Farquhar, president-elect of the S. A. F. and O. H., has been invited to lecture before the Cook County Florists' Association in January.

Conspicuous in the office of the Chicago Carnation Co. is a large silver cup just arrived from St. Paul, a trophy won by "The Herald" at the recent show.

Mr. Canger of Canger & Bergman has blood poisoning in his hand as the result of getting a thorn in his finger. Each week some florist has similar experience with more or less serious results.

All the florists are using the closing days of the chrysanthemum to get up as bright a window as possible. The Kedzie Florists this week surpasses all the rest with a combination of red ruscus and deep yellow chrysanthemums in their large corner window.

J. Mangel has carried his idea of mossing his window still farther and now a succession of irregular shelves are covered and upon them are used potted plants of white orchids with

good effect. In the center of the window is a 6 ft. glass holder for corsages.

The first arrivals of mistletoe are well berried. Some Texas shippers are so confident of their stock this year that they are guaranteeing arrival in good shape. Only the first shipments of Christmas trees are here but were just in time to be reshipped to Tennessee.

The first week of the Austin Flower Shop at 5736 Madison street was a successful one and the proprietor, Daniel S. Erickson, is pleased with his venture. Mr. Erickson is the son of a well-known grower and has also had store experience with the North Edgewater Floral Co. He has a fine location in a rapidly growing suburb.

Many florists had an opportunity to dispose of large chrysanthemums and long-stemmed American Beauties, Dec. 2nd, when the 300 newly elected officials took their offices in the court house. A. Lange probably had the lion share and among his orders were an American flag, well executed, and numerous horseshoes, which are ever popular for such occasions.

In the holiday decorations of the large department stores Christmas trees are unusually popular, the festoons of green being almost absent. In Marshall Field's the trees are large and tower above the counters with stately effect far surpassing in beauty the small ones bedecked with red ruscus. Wreaths are getting larger each year and orders for these immense affairs are common.

Much concern was felt here last week over the non-arrival of the Christmas Tree schooner known as the

Rouse Simmons whose captain is well-known to the trade here. Capt. Schueneman lost a brother in a similar storm several years ago when bringing a load of Christmas trees into Chicago and it was a great relief when it was learned the present captain had remained in port till after the storm.

On December 2nd one of Chicago's rising young men, Victor Bergman, who entered the employ of Ernst Wrenhoeber, sixteen years ago as delivery boy, took his place as partner in the Michigan avenue store of Canger & Gormley. The new name of the firm will be Canger & Bergman, Mr. Gormley having died three years ago. Mr. Canger moved from the old location on State street a year ago and has one of the handsomest stores in the downtown district, at 412 Michigan avenue.

Visitors.—Fred H. Lemon, Richmond, Ind.; Wm. P. Craig.

INCORPORATED.

Barker, N. Y. — Barker Floral Co., capital stock \$30,000. Directors, Nellie A., James R., and W. E. Spafford.

San Antonio, Texas — San Antonio Floral and Nursery Co., capital stock \$10,000. Incorporators, James Crawford, W. A. Cannon and C. J. Anstrand.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
553 Lake Street, Kendallville, Ind.

Mention Horticulture when you write.

EVERYTHING

You Need for the Holiday Trade Cut Flowers

We have the best equipped wholesale flower shipping establishment in the world. The New England, New York and Canadian trade supplied with the very best stock grown for the discriminating Boston demand. **AMERICAN BEAUTY IS OUR BEST OFFER.** All lengths and in quality unsurpassed. All choice grades of Killarney, White Killarney, Maryland, Bride, Bridesmaid, Richmond, Radiance, the yellow novelties Lady Hillingdon and Mrs. Aaron Ward and the **sensational novelty** of the season Mrs. Chas. Russell.

Carnations—All the leading varieties, Whites, Pinks, and Xmas Reds. Lily of the Valley, Violets, Paper Whites, Lilies, Cattleyas, Poinsettias and late Chrysanthemums.

Experienced Packers and Prompt Deliveries are our Strong Points

Holiday Greens

We handle no greens of any kind from quarantined territory. All greens received by us are from uninfested regions and buyers need not hesitate to order from us. This year our supply of case **Holly, Mistletoe, Boxwood, Southern Smilax, Ferns, Moss, Leucothoe** and **Galax** will be the largest we have ever offered. **Send Your Holly Order Now. Quality A1.**

Our Supply Department

has recently been renovated throughout and enlarged. We carry **everything** in the line of wire work, baskets, fern dishes, jardinières, vases, immortelles, folding boxes, ribbons and chiffons, waxed paper, waterproof crepe paper, tin foil, letters and inscriptions, cycas leaves, preserved foliage, sheaves,—in fact everything that any first class house carries. Prices as low as the lowest.

You save expense and trouble by having your supply order, greens and cut flowers all sent in one shipment from one place.

Make your wants known. Send for price list

WELCH BROS. CO.
226 Devonshire Street, Boston

'Phones: Main 6267, 6268, 5419

BEAUTIES

You can depend on us to fill your orders for Beauties, at the lowest market prices. Our stock is extra fine, we never had them better.

White Lilac

\$1.50 per bunch.

A steady supply from now on until Spring.

Boxwood Sprays

\$7.50 per case

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner
12th and Race Sts., **PHILADELPHIA**

THE BEST LETTERS

FOR
FLORIST'S
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THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST. BOSTON
N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

GEORGE B. HART

WHOLESALE FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

HOERBER BROS.

Wholesale Growers of
Cut Flowers

WE GROW BRIDES

Greenhouses at
Des Plaines, Ill.

162 N. Wabash Ave.

CHICAGO, ILL.

POEHLMANN BROS. CO.

Cut Flowers All the Year Round

33-35-37 RANDOLPH STREET,

Greenhouses, Morton Grove, Ill.

CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	CINCINNATI November 26	DETROIT December 3	BUFFALO December 3	PITTSBURGH December 3
Am. Beauty, Fancy and Special....	25.00 to 35.00	30.00 to 40.00	25.00 to 40.00	35.00 to 40.00
" " Extra.....	15.00 to 20.00	20.00 to 30.00	15.00 to 25.00	20.00 to 30.00
" " No. 1.....	10.00 to 12.50	10.00 to 20.00	10.00 to 15.00	12.00 to 50.00
" " Lower Grades.....	4.00 to 8.00	5.00 to 10.00	3.00 to 6.00	6.00 to 10.00
Killarney, Richmond, Maryland...	2.00 to 8.00	4.00 to 10.00	3.00 to 10.00	6.00 to 12.00
Bride, 'Maid.....	2.00 to 8.00	4.00 to 10.00	3.00 to 6.00	6.00 to 12.00
Hillingdon, Ward, Melody.....	2.00 to 8.00	4.00 to 10.00	3.00 to 6.00	6.00 to 12.00
Taft, Sunburst.....	1.00 to 4.00	3.00 to 4.00	2.00 to 4.00	1.00 to 4.00
Cattleyas.....	5.00 to 50.00	5.00 to 50.00	5.00 to 50.00	5.00 to 75.00
Lilies, Longiflorum.....	6.00 to 10.00	5.00 to 15.00	10.00 to 12.50	10.00 to 10.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Paper White Narcissus.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Stevia.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Violets.....	.35 to 1.00	.75 to 1.00	.75 to 1.00	.75 to 1.00
Chrysanthemums, Fancy.....	10.00 to 25.00	15.00 to 20.00	12.00 to 20.00	10.00 to 15.00
" Ordinary.....	2.00 to 8.00	7.00 to 12.00	6.00 to 10.00	5.00 to 10.00
Daisies.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Sweet Peas.....	.35 to 1.00	1.00 to 1.50	.75 to 1.00	.50 to 1.00
Gardenias.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Adiantum.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax.....	10.00 to 12.50	12.50 to 15.00	10.00 to 15.00	10.00 to 15.00
Asparagus Plumous, Strings (100).....	35.00 to 40.00	25.00 to 40.00	40.00 to 60.00	40.00 to 50.00
" " & Spreng. (100 bchs.).....	20.00 to 25.00	25.00 to 40.00	25.00 to 35.00	25.00 to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

CHICAGO CARNATION COMPANY

A. T. PYFER, Manager

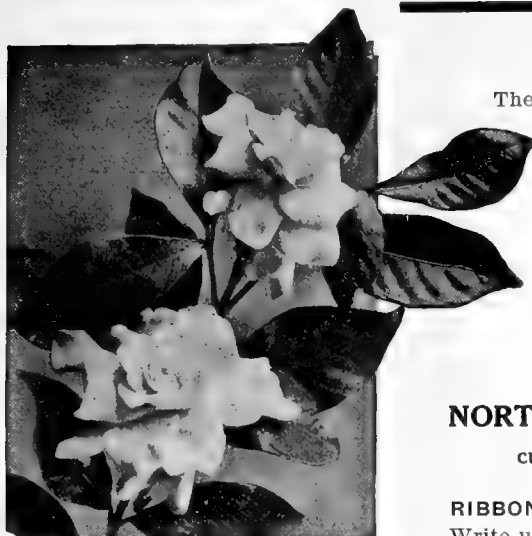
30 East Randolph Street,

CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, CHICAGO



GARDENIAS

The choicest and best lot of Gardenias our growers have ever sent in to us in quantity and quality both.

Special \$4.00 per doz.

Fancy \$3.00 per doz.

First \$2.00 per doz.

MRS. CHARLES RUSSELL

The new rose, fine strong healthy plants

	Doz.	25	50	100	250	1000
OWN ROOT	\$6.00	10.00	17.50	30.00	70.00	250.00
GRAFTED	7.50	12.50	20.00	35.00	82.50	300.00

NORTHPORT: The new cerise-pink Carnation; strong, healthy rooted cuttings, guaranteed stock, \$12.00 per 100; \$100.00 per 1000.

RIBBONS AND SUPPLIES: Many new patterns in exclusive Ribbons. Write us for prices on these and on Supplies.

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA, 1608-1620 Ludlow St.

NEW YORK, 117 W. 28th St.

WASHINGTON, 1216 H St., N. W.

Flower Market Reports

BOSTON

Thanksgiving Day business coupled with the shortening up of the chrysanthemum crop sufficed to clean the benches and put the flower market in a very bullish condition. Prices went up, especially on carnations and the very lively demand from all quarters has sufficed until Thursday to keep prices very stiff. But now a sudden relapse has set in, due in part to the very warm sunny weather and values have taken a sudden and very material drop. Things are exceedingly quiet and a surplus for the coming week is not an improbable outlook.

CHICAGO

Reports of a satisfactory Thanksgiving trade are general and the quality of most of the stock was excellent. So often, before the florists' holidays have growers held back stock till it was worthless that buyers are cautious and first-class stock quite generally sold out. Chrysanthemums, of course, were greatly in demand and many of the fall favorites were disposed of. Roses of all kinds were in good supply. Carnations were scarce as has been the case all the fall. The divine flower has not been at all equal to the demands made upon it and it is a question if the supply of first-class flowers will be sufficient during the entire winter—certainly not before the holidays. Violets are selling better than earlier in the season owing to the cooler weather. Stevia in limited quantities comes in and finds ready sale. Lilies are selling slowly, gardenias the same, but lily of the valley and sweet peas are moving nicely. All kinds of green are to be had and with the quantities of prepared foliage a florist can now make a showy window with no flowers at all.

CINCINNATI

The opening days of this week showed the market to be in a good sound condition. There was an active demand that utilized the supply. The Thanksgiving rush cleaned up everything in sight that was good and left the market at the close of the week in rather too tight a condition. Monday, however, this condition was

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	BOSTON December 5	CHICAGO December 3	ST. LOUIS December 3	PHILA. December 3
Am. Beauty, Fancy and Special....	15.00 to 35.00	25.00 to 40.00	40.00 to 50.00	30.00 to 35.00
" " Extra	10.00 to 15.00	20.00 to 25.00	20.00 to 30.00	20.00 to 25.00
" " No. 1	6.00 to 8.00	10.00 to 20.00	15.00 to 18.00	15.00 to 18.00
" " Lower Grades	1.00 to 6.00	3.00 to 6.00	5.00 to 10.00	8.00 to 12.00
Killarney, Richmond, Maryland....	2.00 to 8.00	3.00 to 8.00	4.00 to 10.00	4.00 to 10.00
Bride, Maid	1.00 to 4.00	3.00 to 6.00	5.00 to 6.00	4.00 to 8.00
Hillingdon, Ward, Melody	2.00 to 8.00	3.00 to 8.00	4.00 to 10.00	5.00 to 12.00
Taft, Sunburst	2.00 to 10.00	3.00 to 10.00	5.00 to 10.00	6.00 to 12.00
Carnations	2.00 to 3.00	2.00 to 4.00	3.00 to 5.00	3.00 to 5.00
Cattleyas	35.00 to 40.00	40.00 to 75.00	50.00 to 60.00	60.00 to 75.00
Lilies, Longiflorum	6.00 to 10.00	6.00 to 10.00	10.00 to 15.00	10.00 to 12.00
Lily of the Valley	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Paper White Narcissus	2.00 to 3.00	.....	3.00 to 4.00	2.00 to 3.00
Stevia	1.00 to 1.50	.....	.25 to .35	1.00 to 1.50
Violets	1.75 to .75	.50 to 1.00	.50 to 1.00	1.00 to 1.50
Chrysanthemums, Fancy	16.00 to 25.00	12.00 to 25.00	15.00 to 20.00	15.00 to 25.00
" Ordinary	4.00 to 8.00	5.00 to 10.00	5.00 to 10.00	10.00 to 12.00
Daisies	1.00 to 1.50	.....	.....	1.50 to 2.00
Sweet Peas .....	.50 to .75	.50 to 1.00	.75 to 1.00	1.00 to 1.50
Gardenias	15.00 to 35.00	25.00 to 35.00	.....	20.00 to 30.00
Adiantum	1.00 to 1.25	.75 to 1.00	1.00 to 1.25	1.00 to 1.50
Smilax	10.00 to 15.00	12.00 to 15.00	12.00 to 15.00	12.00 to 15.00
Asparagus Plumosus, Strings (100) ..	..... to 50.00	40.00 to 60.00	35.00 to 50.00	35.00 to 50.00
" " & Spren. (100 Bchs.) ..	25.00 to 50.00	35.00 to 50.00	10.00 to 12.00	35.00 to 50.00

ameliorated and on Tuesday most everything was easy. The rose supply has increased somewhat and as a result this market is in a fairly easy condition. Beauties, pink roses and Richmonds are at the time of this writing clearing up on sight while the large cut of white enjoys an excellent demand. The carnation cut is still very limited. Chrysanthemums have narrowed down to mostly Chadwick and Nonin. The offerings in both are generally large and of excellent quality. Lilies and callas are proving good property. Single violets are still in limited supply and clean up each day. The doubles are selling well. Lily of the valley, orchids and narcissus enjoy a good call. The stevia market is crowding to a large extent. Green goods business is excellent.

DETROIT

We always have regarded Thanksgiving Day as the barometer for Christmas, and according to this outcome we are sure going to have the best Christmas ever. Social affairs of all kinds are keeping us very busy in the meantime. Stock is good and plentiful with carnations holding back some, mostly because of prevailing diseases, the most suffering variety being Winsor.

NEW YORK

Again, after an excellent period of activity the market has taken

a fall and stagnation reigns in the wholesale flower district after a very encouraging week of good prices. American Beauty roses and carnations have felt the rise and the subsequent fall more severely than any other flower, but the slump is felt all through the list and unless a cold wave intervenes it is probable that the present era of reaction may continue up until the Christmas demand begins to make itself felt.

ST. LOUIS

St. Louis had a good Thanksgiving market with plenty of stock in all grades and wholesale prices not any too high. Trading retailers say they never had such good business as this Thanksgiving; everything sold well. Chrysanthemums are now on the down grade. Violets are somewhat scarce. Carnations are coming along fine and a good crop is looked for this month. Roses, too, are quite plentiful in all grades and also sell much better. All other stock in satisfactory supply.

WASHINGTON

The Thanksgiving Day flower business was not as good this year as last. Plenty of sales were made but they did not amount to so much so far as bulk was concerned. The out-of-town shipments were quite heavy, however. Chrysanthemums are

(Continued on Page 791)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square.

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Choice Cut Flowers,
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Tel. 1462 1463 Madison Square New York

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Wholesale Commission Florists
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Madison Square New York

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Wholesale Florist
107 W. 28th Street, NEW YORK
Call and inspect the Best Establishment
in the Wholesale Flower District.

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PUBLIC ACCOUNTANT AND AUDITOR
Simple methods of correct accounting
especially adapted for florists' use.
BOOKS BALANCED AND ADJUSTED
Merchants Bank Building
40 STATE ST. - - - - BOSTON
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THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe,
Preserved and Fresh Cut
Cycas and Palmetto.
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{5893}

REED & KELLER
122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.

Wired Toothpicks
Manufactured by
W. J. COWEE, Berlin, N. Y.
10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist
A full line of Choice Cut Flower Stock for all purposes
by the 100, 1000 or 10,000
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SELLING AGENT FOR
LARGEST GROWERS
The HOME OF THE LILY

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
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Telephone—2532-3533 Madison Square

Established 1887 **J. K. ALLEN** Still Going Strong
OLDEST IN YEARS BUT UP-TO-DATE IN SERVICE
Cut Flower Consignments Solicited.
A SQUARE DEAL. PROMPT RETURNS. MONEY ALWAYS READY.
106 WEST 28TH ST., NEW YORK
Open 6 A. M. daily. Telephone, 167 and 4468 Mad. Sq.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Mad. Sq. 55 W. 28th St., New York
Tel. 759

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS		Last Half of Week ending Nov. 30 1912	First Half of Week beginning Dec. 2 1912
American Beauty, Fancy and Special		30.00 to 50.00	30.00 to 50.00
" " Extra		10.00 to 25.00	10.00 to 25.00
" " No. 1		8.00 to 12.00	8.00 to 12.00
" " Lower Grades		1.00 to 6.00	1.00 to 6.00
Killarney, Richmond, Maryland		3.00 to 12.00	3.00 to 12.00
Bride, Maid		3.00 to 6.00	3.00 to 6.00
Hillingdon, Ward, Melody		2.00 to 12.00	2.00 to 12.00
Taft, Sunburst		3.00 to 12.00	3.00 to 12.00
Carnations		2.00 to 5.00	2.00 to 5.00

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones {1664} {1665} Madison Square
CONSIGNMENTS SOLICITED

Frank H. Traendly Char es Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF
THE FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
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Telephone 7062 Madison

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WOODROW & MARKETOS
WHOLESALE
Plantmen and Florists
41 West 28th Street NEW YORK

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**
WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH.

HENRY M. ROBINSON, Pres. MAURICE L. GLASS, Treas.
CHAS. E. ROBINSON, V.-Pres. JOSEPH MARGOLIS, Sec'y
HENRY M. ROBINSON CO.
OF NEW YORK
Wholesale Florists
Maurice L. Glass, Manager
55-57 WEST 26th ST. - - - NEW YORK CITY
Special Attention to the Shipping Trade



Flower Market Reports

(Continued from page 789)

rapidly nearing an end and this is causing an advance in both demand and price of all other stock. Heavy calls were last week received for carnations in excess of the supply; pink, light and dark, were exceptionally scarce. American Beauty roses and orchids were also moving well as is lily of the valley. Poinsettias are to be seen but the demand thus far is light. Sweet peas are improving both as to quality and quantity.

WASHINGTON NOTES.

O. A. C. Oehmler had a very attractive window display last week portraying a real Thanksgiving Day scene. It looked as though he had transported bodily a bit of the outside country into busy G. street, for the display consisted of a representation of a rambling vine-covered snake fence against which lay ears of October corn. A good showing was also made of chrysanthemums and roses and the whole was very attractive indeed.

Z. D. Blackistone's window is indeed one of the attractions of Fourteenth street for here each week appear unique displays. The novelty of last week was made by Mr. Walter Hengel and consisted of a framed "fruit picture." This consisted of an ordinary gilt picture frame filled in with various shades of yellow pompons. In the center was a handled basket made of violets, from which protrudes grapes, oranges and a pineapple. Cyripediums are also used in the basket. The frame was entwined with smilax and at the bottom was a bouquet of cattleyas and violets. The picture was on an easel.

PERSONAL.

Bert Cole, employed by E. C. Ameling Co., Chicago, Ill., was married on November 21 to Miss Olive K. Lloyd.

J. Kuthen, formerly employed by Ostertag Bros., is now with Kalisch Bros. Floral Co., 4506 Delmar avenue, St. Louis.

W. F. Shields, formerly with E. MacMulkin, Boston, Mass., is now employed by the Bohannon Floral Co., 70 East Monroe street, Chicago, Ill.

Lawrence Richter, formerly in charge of the floral department of A. M. Murdock, is now with the E. C. Ludwig Floral Co., 710 East Diamond street, N. S., Pittsburgh, Pa.

Boston visitors—J. H. Prost, Chicago; George B. Hart, Rochester, N. Y.; Geo. Hampton, representing H. F. Mitchell Co., Philadelphia, Pa.; D. F. Roy, Marion, Mass.

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 76 Maiden Lane, ALBANY, N. Y.
WHOLESALE ONLY

—SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US—

Prices Right. Consignments Solicited. Telephone Connection

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

MONTREAL FLORAL EXCHANGE, LTD.

ORGANIZED FOR THE BENEFIT OF THE CANADIAN TRADE.

CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION.

Home-grown Stock a Specialty. STRICTLY WHOLESALE; NOTHING SOLD
AT RETAIL.

Ample reference furnished as to standing and financial ability of the company.

123 MANSFIELD STREET, MONTREAL, P. Q.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Nov. 30 1912		First Half of Week beginning Dec. 2 1912	
Cattleyas	25.00	to 45.00	25.00	to 45.00
Lilies, Longiflorum	6.00	to 10.00	6.00	to 10.00
Lily of the Valley	2.00	to 5.00	2.00	to 5.00
Paper White Narcissus	1.50	to 2.00	1.50	to 2.00
Stevia	1.00	to 1.50	1.00	to 1.50
Violets.....	.50	to 1.00	.50	to 1.00
Chrysanthemums, Fancy	12.00	to 30.00	12.00	to 30.00
Ordinary.....	2.00	to 6.00	2.00	to 6.00
Daisies.....	.50	to 1.50	.50	to 1.50
Sweet Peas	1.00	to 2.00	1.00	to 2.00
Gardenias	16.00	to 35.00	16.00	to 35.00
Adiantum		to 1.00		to 1.00
Smilax	6.00	to 12.00	6.00	to 12.00
Asparagus Plumosus , strings (per 100)	8.00	to 20.00	8.00	to 20.00
& Spreng. (100 bunches)	8.00	to 25.00	8.00	to 25.00

PHILADELPHIA NOTES.

This from a customer who came 1600 miles to Philadelphia, arriving in Philadelphia at 4 A. M. on a Sunday and left at 3 P. M. after selecting an elaborate display from Rice for his big occasion:

November 23, 1912.

Messrs. M. Rice & Co., Philadelphia, Pa.
Gentlemen: I want to let you know that the wedding was a great success and I am more than obliged to you for getting the wedding outfit to me in such prompt and satisfactory way. You saved my life.

I again thank you.

Yours very truly,

Which shows that when they look to Rice for the phenomenal in prompt delivery and "the goods" they are not disappointed. This house reports the biggest November business in its history.

Visitors: H. C. Van Zandt, Newport News; Charles T. Yancy, South Boston, Virginia; Charles F. Hale, East Orange, N. J.; Mrs. Kleinheins, Easton, Albert M. Herr, Lancaster, Henry Eichholz, Waynesboro, Pa.; M. C. Ebel, Madison, N. J.; P. Joseph Lynch, Newcastle, Ind.

CINCINNATI NOTES.

Albert McCullough has gone to California for a month's stay. He departed last Thursday morning.

All the wholesalers along the street beginning at the Cincinnati Cut

Flower Exchange and including C. E. Critchell, J. M. McCullough's Sons Co., L. H. Rysh, Peter Weiland, P. J. Olinger, E. G. Gillett and Wm. Murphy report a most excellent Thanksgiving Day business.

The attendance at the regular meeting of the Florists' Society consisted only of the regulars; that is, those who rarely miss a meeting. They number about fifteen. It was expected that in view of the importance of the committee reports that were to be given the attendance would be much larger. The entertainment committee's report showed that the banquet, and lecture by President R. Vincent, Jr., on the International Flower Show would undoubtedly be a very successful affair.

Visitors: Mr. Anderson, Dayton, Ohio; Robert Groves, Adams, Mass., and W. E. Hamilton, Greensburg, Ind.

Detroit, Mich.—Conrad J. Schaefer lost his boiler Thanksgiving Day. Fortunately for him we had warm weather since, and now he has a Capital boiler in working order again.

William Dilger surprised the club with a visit, and better still, re-read his paper, "Horticultural Societies and Their Duties Towards Parks and Private Grounds," which paper he wrote for and which was most enthusiastically received by the Horticultural Society of London, Ont., Can.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 40 State St., Boston.
For page see List of Advertisers.

APHINE

Aphine Mfg. Co., Madison, N. J.
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ARAUCARIAS

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

Asparagus plumosus nanus, 4-in., \$8.00 per 100; \$75.00 per 1000. Cash. A. B. Cronbaugh, Ada, Ohio.

Asparagus Sprengerii, 2 inch, \$2.00 per 100; \$18.00 per 1000. Cash please. Felsch Bros., Maywood, Ill.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Loechner & Co., New York, N. Y.
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BAY TREES

McHutchison & Co., 17 Murray St., N. Y.
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Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, 31 Barclay St., New York.
For page see List of Advertisers.

Breck-Robinson Nursery Co., Lexington, Mass.

Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.
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R. Vincent, Jr., & Sons Co., White Marsh, Md.
For page see List of Advertisers.

BEGONIAS

A. M. Davenport, Watertown, Mass.
For page see List of Advertisers.

Vernon Begonias, 3 inch, in bloom, nice plants, \$3.00 per 100. Cash please. Felsch Bros., Maywood, Ill.

BOXWOOD TREES

Bobbink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees, all sizes. Ask for special list.

BOILERS

Kroeschell Bros. Co., 403 Erie St., Chicago.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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Hitchings & Co., 1170 Broadway, N. Y.

BOXES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BULBS AND TUBERS

Arthur T. Boddington, New York, N. Y.
Decoration Day and May Flowering Tulips.
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Stumpp & Walter Co., New York, N. Y.
Chinese Lilies.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Michell's Seed House, Philadelphia, Pa.
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Ralph M. Ward & Co., 71 Murray St., New York.
Horseshoe Brand Lily Bulbs.
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James Vick's Sons, Rochester, N. Y.
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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fliske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
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P. H. Goodsell, New York, N. Y.
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O. V. Zangen, Hoboken, N. J.
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Weeber & Don, New York, N. Y.
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R. & J. Farquhar Co., Boston, Mass.
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Bulbs of all descriptions. Write for prices.
C. Keur & Sons, Hillegom, Holland.
New York Branch, 31-33 Broadway.

BURLAP MATS

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

CANNAS

THE IMPROVED CANNAS.

You can double your profits by stocking up with the new cannas. Be sure to get our list before you place your order. The Conard & Jones Company, West Grove, Penna.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Chas. H. Totty, Madison, N. J.
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CHRISTMAS GREENS

Michell's Seed House, Philadelphia, Pa.
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A. Henderson & Co., Chicago, Ill.
Holly, Bouquet Green, Immortelles.
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A. B. Silliman & Co., Boone, Ia.
Mistletoe.

CHRYSANTHEMUMS

A. N. Pierson, Inc., Cromwell, Conn.
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Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.

CHRYSANTHEMUMS—Continued

Chrysanthemum Stock Plants: Mary Col-laday (Pink Garza), \$5.00 per doz., \$35.00 per 100; Overbrook (the earliest hardy pompon yellow), \$1.50 per doz., \$10.00 per hundred. Stratford Flower Farm, Stratford, Pa.

Stock Chrysanthemum plants, Golden Glow, Pacific Supreme, White and Yellow Bonnaillon, also other kinds, \$3.00 per 100. Cash with order or will exchange for rooted geranium cuttings. Felsch Bros., Maywood, Ill.

CHRYSANTHEMUM, THE. By A. Herrington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 160 pages. Price 50 cents.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CHRISTMAS TREES FOR TABLE

Adolf Muller, Norristown, Pa.
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CUT BOXWOOD

McCallum Co., Pittsburgh, Pa.

CYCLAMENS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Cyclamen giganteum, fine 3-in., \$6.00; 4-in., \$12.00; 5-in., \$25.00 per 100. Fine plants in bud. Cash. C. L. Osborn, Sidney, Ohio.

Cyclamens, 3-inch pots, \$10.00 per 100; \$80.00 per 1000. Julius Roehrs Co., Rutherford, N. J.

Cyclamen, clean, heavy, three inch. German, large flowered and orchid flowered strains. Assorted colors. \$8.00 per 100. Peter Pearson, 5752 Gunnison St., Chicago.

200,000 Giant Flowering Cyclamen, August seedlings. We received first prize on our blooming cyclamen at the show in Cleveland, O., and hold other first prizes. Our aim is strong growers, a well built five petal flower, with good color and fragrance, many of them at one time, well marked foliage and general good habits. Strong August Seedlings, \$2.50 per 100; \$20.00 per 1000.

What others say about our blooming plants: Mr. E. A. Curson, Rochester, N. H., Nov. 15, 1912: "Cyclamens received and am more than pleased. They are certainly fine plants and such a range of color. Arrived in good condition too."

Plants in bud and bloom, 2½ in., 4c.; 3 in., 8c.; 4 in., 15c.; 5 in., 35c. and 50c.; 6 in., 75c. and \$1.00; 8 in., \$1.50 to \$2.00 each. Cultural directions with all orders. Christ. Winterich, Cyclamen Specialist, Defiance, O.

DAHLIAS

East Bridgewater Dahlia Gardens are the largest and most up-to-date in America. Over 850,000 field clumps to offer at right prices. Be sure and send your wants to J. K. Alexander, The Eastern Dahlia King, East Bridgewater, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

For List of Advertisers See Page 771

DAHLIAS—Continued

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Woodrow & Marketon, 41 West 28th St., New York.
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DRACAENAS

Dracaena Indivisa, 2 inch, \$2.00 per 100 or \$18.00 per 1000. Cash please. Felsch Bros., Maywood, Ill.

Magnus Pierson, Cromwell, Conn.

ECHEVERIAS

Echeveria metallica, very choice succulent, red foliage, fine plants for stock or propagation, \$1.00 per dozen, \$8.00 per 100 Wm. Tricker, Arlington, N. J.

FERTILIZERS

Elmer D. Smith & Co., Adrian, Mich.
Fertiline.
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20th Century Plant Food Co., Beverly, Mass.
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Stump & Walter Co., New York, N. Y.
Clay's Fertilizer.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.
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FERNS

A. M. Davenport, Watertown, Mass.
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A. Leathy & Co., Roslindale, Mass.
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Godfrey Aschmann, Philadelphia, Pa.
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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Robert Craig Co., Philadelphia, Pa.
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Frank Oechslin, 4911 Quincy St., Chicago.
Ferns for Dishes.
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F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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Henry A. Dreer, Inc., Phila., Pa.
Cibotium Schieder and Other Ferns.

Fern runners, fine stock Boston, Whitman, Amerpohl, Springfield, \$1.80 per 100, \$15.00 per 1000. Roosevelt runners, very fine, \$6.00 per 100, \$50.00 per 1000. Roosevelt, 4-inch, \$15.00 per 100, 5-inch, \$25.00 per 100. Asparagus Plumosus, 4-inch, handsome stock, \$8.00 per 100. 50,000 sq. ft. of glass at Cleveland, O., devoted exclusively to ferns. I have the best stock to be had anywhere. Prices are low, for cash only. Schneider, Florist, Springfield, O.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
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FLORISTS' SUPPLIES

N. F. McCarthy & Co., 112 Arch St., Boston.

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M. Rice & Co., 1220 Race St., Phila., Pa.
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FLORISTS' SUPPLIES—Continued

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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Reed & Keller, 122 W. 25th St., New York.
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S. S. Pennock-Meehan Co., Philadelphia, Pa.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Welch Bros. Co., 226 Devonshire St., Boston.
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FLOWER POTS.

W. H. Ernest, 28th and M Sts., Washington, D. C.
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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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FLOWER POT COVER

Every Ready Flower Pot Cover Co., Buffalo, N. Y.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
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GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Kervan Co., New York.
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Millington Fern Co., Millington, Mass.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Magnus Pierson, Cromwell, Conn.

Geraniums, Nutt, Dagata, Ricard, Red Wing, Viand, La Favorite, Jaulin, Perkins, Oberle, \$2.00 per 100; \$18.50 per 1000. Hill, Dryden, Pamela, Vincent, Poitevine, Double Dryden, Luigi Grandi, Docteur Danjou, \$3.00 per 100; \$25.00 per 1000. Send for Geranium Catalogue. F. H. DeWitt & Co., Wooster, Ohio.

GLADIOLUS

John Lewis Childs, Flowerfield, N. Y.
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A. Henderson & Co., Chicago, Ill.
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O. V. Zangen, Hoboken, N. J.
Gladiolus Peach Blossom.
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GLASS

Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 215-217 Havermeier St., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.

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King Construction Co., N. Tonawanda, N. Y.
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Metropolitan Material Co., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

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Wm. H. Lutton, Jersey City, N. J.
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Frank Van Assche, Jersey City, N. J.
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Lord & Burnham Co., 1133 Broadway, New York.
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Metropolitan Material Co., Brooklyn, N. Y.

Pierson U-Bar Co., Madison Ave., New York.
Designer and Builder.

Hitchings & Co., 1170 Broadway, N. Y.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.
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The Kervan Co., New York.
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Millington Fern Co., Millington, Mass.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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Chas. H. Dodd, Jersey City, N. J.
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HERBACEOUS PERENNIALS

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E. S. Miller, Wading River, N. Y.
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P. Ouwkerk, P. O. No. 1, Hoboken, N. J.
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Boblink & Atkins, Rutherford, N. J.
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HOSE

H. A. Dreer, Philadelphia, Pa.
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HOT-BED SASH

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Lord & Burnham Co., 1133 Broadway, N. Y.
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INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.

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Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
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In writing to Advertisers kindly mention Horticulture

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Standard Insecticide.
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Interstate Tobacco Co., New York, N. Y.
"Tip Top" Tobacco Powder.
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Benjamin Hammond, Fishkill-on-Hudson,
N. Y.
Slug Shot.
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Kentucky Tobacco Product Co.,
Louisville, Ky.
Nico-Fume.

JAPANESE LILIES

Loechner & Co., New York, N. Y.
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LEMON OIL

Lemon Oil Co., Baltimore, Md.
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LILY BULBS

R. & J. Farquhar & Co., Boston, Mass.
New Lilies.
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R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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LILY OF THE VALLEY PIPS

Loechner & Co., New York, N. Y.
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McHutchison & Co., 17 Murray St., N. Y.
Berlin Valley Pips.
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LOBELIAS.

Magnus Pierson, Cromwell, Conn.

LOBELIA CARDINALIS

Mt. Desert Nurseries, Bar Harbor, Me.

MARGUERITES

Marguerite plants from 5½-inch pots,
best winter flowering variety; \$6.00 per
dozen plants. Peirce Bros., Waltham, Mass.

MASTICA

F. O. Pierce Co., New York, N. Y.
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Joseph Breck & Sons, Boston, Mass.
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MISTLETOE

Costs no more, quality considered.
Worth more than double. Silliman's every
sprig brand of Mistletoe. Now booking
orders December shipment. A. B. Silli-
man & Co., Boone, Iowa.

MUSHROOM SPAWN

Weeber & Don, New York, N. Y.
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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W. & T. Smith Co., Geneva, N. Y.
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Hardy, Northern Grown Stock.
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John Waterer & Sons, Ltd., Bagshot, Eng.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

SHRUBBERY.

There are bargains to be had here in
such varieties as Spireas, Altheas, Weigelas
and Philadelphus, and this names only a
few. We have acres of shrubs, well grown
and ready for you. Write for price list.
The Conard & Jones Company, West Grove,
Penna.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Hybrid Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Alphonse Pericat, Collingdale, Phila., Pa.
Special Orchid Offer.
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ORCHID GROWERS' MANUAL.

By B. S. Williams, 300 illustrations, 800
pages; descriptions of upwards of 2500
species and varieties of orchidaceous
plants, etc. The most complete work on
Orchids and Orchid Culture ever pub-
lished. Price \$10.00.
Orders filled by HORTICULTURE, 11
Hamilton Place, Boston.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Godfrey Aschmann, Philadelphia, Pa.
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Robert Craig Co., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Joseph Heacock, Wyncote, Pa.
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Loechner & Co., New York, N. Y.
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August Rolker & Son, 31 Barclay St., N. Y.
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PANSY PLANTS

Pansy plants, strong field grown.
Beaconsfield, light blue, best for cut
flowers. Also other separate colors. \$3.50
per 1000 prepaid. Peter Pearson, 5752
Gunnison St., Chicago.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

J. H. Sprague, Barnegat, N. J.
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PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

Peonies. The world's greatest collection,
1200 sorts. Send for list. C. Betscher,
Canal Dover, O.

PIPE HANGERS

King Construction Co., N. Tonawanda,
N. Y.
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PLANT AND BULB IMPORTS

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McHutchison & Co., 17 Murray St., N. Y.
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PLANT TRELLISES AND STAKES

Seele's Teelless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

Plant Trellises and Stakes. P. A. Angler
& Co., Westboro, Mass.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

Kroeschell Bros. Co., 466 Erie St., Chicago.

POINSETTIAS

A. Henderson & Co., Chicago, Ill.
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S. S. Skidelsky, Philadelphia, Pa.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIMULAS

Chinese primroses, 4-in., double and sin-
gle, fancy mixed, in bud and bloom, \$7.50
per 100, \$70.00 per 1000; large 2½-in. plants,
\$2.75 per 100, \$25.00 per 1000. Primula ob-
conica, 4-in., fancy mixed colors, full of
buds and bloom, \$5.25 per 100, \$50.00 per
1000; 2½-in., \$2.50 per 100, \$22.50 per 1000.
Try some.

Alonzo J. Bryan, Washington, N. J.

PRIVET

California Privet, well grown, 2-year-old
plants, from 12 inches to 3 feet; well fin-
ished plants, well graded and well packed.
Also one and two-year-old Ampelopsis
Veltchii. For prices and particulars ad-
dress Charles Black, Hightstown, N. J.

RAFFIA

McHutchison & Co., 17 Murray St., N. Y.
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REFRIGERATORS FOR FLORISTS

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Waban Rose Conservatories, Natick, Mass.
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Rose Mrs. George Shawyer.
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Godfrey Aschmann, Philadelphia, Pa.
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SEEDS

Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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Peas, Beans, Radish and all Garden Seeds.
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SPHAGNUM MOSS

J. H. Sprague, Barnegat, N. J.
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Sphagnum Moss, large bales. Green
Moss in bbls. Laurel Bunches and Broken
Laurel. James Day, Milford, N. H.
Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

SPIREAS

Breck-Robinson Nursery Co., Lexington,
Mass.
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STOVE PLANTS

Orchids—Largest stock in the country.
Stove plants and Crotons, finest collection.
Jullus Roehrs Co., Rutherford, N. J.

TIP TOP TOBACCO POWDER

Interstate Tobacco Co., Inc.,
1397-1399 Ave. A, New York, N. Y.
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Improved Ventilator Arm.
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20th Century Arm.
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Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.
William E. Hellscher's Wire Works,
38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

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Albany Cut Flower Exchange, Albany, N. Y.
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New Offers In This Issue**ARAUCARIAS, FERNS.**

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ETC.**

H. Bayersdorfer & Co., Phila., Pa.
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**CHRISTMAS GREENS, SPIREA,
SEEDS.**

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**EVERYTHING FOR THE HOLIDAY
TRADE.**

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**FLOWER DELIVERIES IN RHODE
ISLAND.**

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**FLOWERING AND BERRIED
PLANTS FOR CHRISTMAS.**

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In writing to Advertisers kindly mention Horticulture

PULVERIZED OR SHREDDED

CATTLE MANURE

Pure, Dry, Safe and Reliable

The best of all manures for Roses. Clean, convenient and economical for top-dressing and mulching. Unequaled for potting soil.



PULVERIZED

SHEEP MANURE

There is a reason why Wizard Brand Sheep Manure is more extensively used by Florists than any other:—Best for Carnations and Chrysanthemums—Best for making bench soil—liquid manuring—and field work. Ask for our Growers' Booklet and know why Wizard Brand leads

THE PULVERIZED MANURE CO., - - 31 Union Stock Yards, CHICAGO**Obituary.****Benjamin Ingin.**

Benjamin Ingin, a horticulturist of West Orange, N. J., committed suicide recently. No reason for the act is reported.

William D. Baxter.

William D. Baxter, florist, of Stoneham, Mass., died suddenly of heart failure on November 25, aged 66 years. He was born in New Ashford, Mass. His wife, two sisters and a brother survive him.

George A. Sweet.

George A. Sweet, of the George A. Sweet Co., nurserymen, Dansville, N. Y., died on Nov. 13, aged 68 years. He was born in Danville and had lived there all his life. He leaves a widow, one son and a daughter.

William L. Burgess.

William L. Burgess, a retired nurseryman of Waterbury, Conn., died in Middletown, aged about ninety years. He was born in Litchfield, Conn., and had lived in the vicinity almost all his life. He retired from business two years ago.

John Nicholas.

John Nicholas, retired florist of Westfield, Mass., died from an attack of pneumonia on November 23. He was born in England and had lived in Westfield for nearly twenty-five years. He retired four years ago, the business being taken over by his sons. Besides a widow, he leaves two daughters and three sons.

Isaac Husbands.

On November 23, Isaac Husbands, florist, of Bellevue, Ohio, died at the age of 75 years. He was born in England and came to America when 21 years of age and located in Cleveland, O. A little over fifteen years ago he located in Bellevue, buying the greenhouses of the late Mr. Lunn. One year ago he sold his business to R. C. Arlin. His widow and several children survive him.

Prof. Eben Jenks Loomis.

Prof. Eben Jenks Loomis, astronomer and botanist, died at Amherst, Mass., on December 2, aged 84 years. Professor Loomis was well known to the scientists of the country, particularly in astronomy, and for 34 years he was connected with the Naval Observatory at Washington, a position from which he resigned in 1900.

While a resident of Cambridge, Professor Loomis was a member of the coterie of literary and scientific men which included Agassiz, Asa Gray,

Thoreau, Lowell and Longfellow. As a botanist he acquired fame as the discoverer of the "moving fern," *Asplenium Trochomanes*, which he reported to Darwin.

Leopold Landreth.

Leopold Landreth died at his home in Bristol, Pa., on the 1st inst., in his 68th year. He was a member of the celebrated family of seed growers and merchants of that name, and in his earlier years had charge of the Bloomsdale Seed Farms. When the firm moved its retail seed store to 10th and Market streets, Philadelphia, he took the management of same. On the discontinuance of this and the reorganization of the company Mr. Landreth took charge of the real estate interests of the family and continued in that capacity until his death. He was a well traveled, highly educated and much esteemed gentleman and has left an enviable record behind him.

Joseph McMurray.

Joseph McMurray, one of the oldest of the past generation of Philadelphia florists, died suddenly at his residence, 15th and Master streets, Philadelphia, on the 29th ult., in his 77th year. Mr. McMurray had been established as a florist and gardener at the 15th and Master streets location for upwards of 50 years. While doing a florist business his operations were more extensive in outside gardening and landscaping. He was a native of Scotland and came to this country in early youth. He was a man of the highest integrity and was greatly esteemed by all who knew him. The business will be continued as heretofore by his son, William H. McMurray.

Charles Dingee.

Charles Dingee, founder of the Dingee & Conard Co., passed away at his home in West Grove, Pa., on November 29th. Mr. Dingee was in his 88th year, and had been in active business as head of the company up to his retirement a few years ago. He was a notable man in many ways and had a wide acquaintance among the great men of his heyday—among them Abraham Lincoln, with whom he was on intimate terms, and Horace Greeley. He was a warm friend of Peter Henderson, Patrick Barry and the elder Downing, and was an active participant in the meetings of horticultural societies of their day. He was the pioneer mail-order rose grower, having conceived the idea of sending small plants by mail, which he started in 1872, and achieved a great success in that line. The business, which is at present probably the largest of its kind in the world, was sold to its

present management, P. J. Lynch, M. Henry Lynch and James D. Headly, all brothers-in-law, in 1903. Mr. Dingee was retired from business since that time. His second wife survives him.

NEWS NOTES.

Grove City, Pa. — Mrs. J. E. Black has sold her business to Frank S. Smith.

Maitland, Fla. — A florist business has been started here by W. Clare. He will grow *Asparagus plumosus* principally.

Pomona, Calif. — Five acres of land next to their present property have been purchased by the California Rose Co. This will make twenty-five acres devoted to roses.

HELP WANTED

STOREMAN, able to take charge and make up. Must have references as to honesty and sobriety. Steady job. Address, stating wages expected, etc., H. W., care HORTICULTURE.

SITUATIONS WANTED**WANTED TO REPRESENT**

A first-class nursery firm in New England states by an energetic, middle-aged man; life-long experience in different branches of horticulture; willing to fill up time in any department. None but a good position considered. Address A. B., HORTICULTURE.

POSITION WANTED as Superintendent or Caretaker of private estate by experienced man who understands gardens and garden-making, farming stock, road-making, draining and grading, moving of large trees and shrubbery, concrete construction and installation of sanitary sewage disposal and management of men. Address P. O. Box 484, Stamford, Conn.

SITUATION WANTED by young man well trained in bedding plant and general retail florist business. Is good designer. Aged 23. Not married. Prefers New England territory. E. W., care HORTICULTURE.

SITUATION WANTED as plantsman, gardener and orchid grower, by capable man; English, married; best references from prominent growers. J. O., care HORTICULTURE.

WANTED, by gardener or general superintendent, position on private estate. Experienced in all branches; good references. Eight years in last position. Wm. D. Nickerson, 105 Harvard St., Brookline, Mass.

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FOR SALE—Retail Store in city of 16,000. Bargain. For full particulars address "E," care HORTICULTURE.

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FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Parsbelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

CATALOGUES RECEIVED.

H. Youell & Son, Syracuse, N. Y.—Helpful Hints and Descriptive Price List of Gladioli. An excellent list for the amateur. Varieties well selected.

North Eastern Forestry Co., New Haven, Conn.—1913 Catalogue of High Grade Tree Seeds and Nursery Stock. Wholesale seedhouse at Willsboro, N. Y.; nursery at Cheshire, Conn.

R. Vincent, Jr., & Sons Co., White Marsh, Md.—Descriptive Illustrated Catalogue of Geraniums. This catalogue is like its predecessors, most creditable, representing as it does the leading introducers and dealers in choice geraniums in this country. There are several full page plates, some of them in natural colors, and the list of new varieties should be carefully perused by every dealer in bedding plants.

PUBLICATIONS RECEIVED.

Report of the Pleasure Driveway and Park District of Springfield, Ill. A profusely illustrated pamphlet of 42 pages. J. F. McPherson is general superintendent of the public reservations.

The Sword of Bussy, or The Word of a Gentleman, by Robert Neilson Stephens, author of "An Enemy to the King" and Herman Nickerson. This is a romance of engrossing interest, the scene being in France in the sixteenth century. The settings and fundamentals of the story are true to history and the incidents are vividly pictured. The book is just out and anyone wishing to select an acceptable work of fiction at a moderate price as a holiday gift will make no mistake in sending for this volume. It is published by L. C. Page & Co., Boston. Price, postpaid, \$1.40. The frontispiece is a scene in full color from a painting by Edmund H. Garrett.

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All are spraying materials and are effective in the greenhouse and in the garden.

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HUGO DE VRIES OPPOSES DARWIN THEORY.

In a lecture before the Lowell Institute, Boston, on Nov. 30, Hugo de Vries, a Dutch botanist who has acquired fame by supplementing the theory of natural selection from his own experimental researches on "The Evolution of Plants," said that in the Darwinian theory it is assumed that the variations selected for survival in the struggle for existence are too minute from plant to plant to be perceived until after a considerable lapse of time. Mr. de Vries maintained, on the contrary, that plants may change their character suddenly and by leaps—the so-called "saltatory" or "Kaleidoscopic" variations—making it possible for the experimenter to observe the transition from one form to another in his own garden. With the aid of stereopticon pictures he showed several examples of his success in producing new varieties of plants without the connecting link of transitional forms.

UTILIZING THE CITY PARKS.

Secretary J. J. Levison, secretary-treasurer of the American Association of Park Superintendents, who is also Forester of Prospect Park, Brooklyn, N. Y., writes as follows:

The secretary is confronted with several requests for information relative to methods of park utilization. Many cities have devised unique methods of fostering popular appreciation of trees in parks. The Boston Park Department, for instance, is using its automobile trucks on Saturdays, Sundays and holidays for the purpose of taking the people around the parks at a reasonable charge. Rochester has instigated periodic celebrations or carnivals in one of its large parks. In Brooklyn we have labelled the trees, issued "guides to the trees" and organized tree clubs among the school children. Other cities have probably done better and we all want to know it.

Mr. Levison suggests that it would therefore be of mutual interest to compare replies from different cities and see by what means their parks are brought in closest touch with the people and thus used to the greatest advantage, and asks that anyone interested will kindly write to him and state what his city is doing towards this end.

NEWS NOTES.

East Greenfield, Ind. — The Gibson greenhouse has been purchased by H. M. Pearson, who will continue it.

Los Angeles, Calif.—Charles Morton is now sole proprietor of the Los Angeles Flower Market, 733 South Spring street.

ABOUT GARDENING PERIODICALS.

Referring to the recent demise of a magazine devoted to flowers, HORTICULTURE is of the opinion that the general public has been having a surfeit of garden and country life literature and observes that "what is needed now, is not more journals but better ones and a public tuned up to appreciate them." There is much sound sense in this conclusion. Most of the periodicals devoted to gardening have got into such a rut that one can safely say in advance what the next number will contain. In September and October the contents will run largely to bulbs. In February and March to hotbeds and seed sowing, in later months to annuals and bedding plants. This would all be well enough if any effort was made to vary the matter relating to these subjects but the same old tulips and hyacinths and narcissi form the subject of the theme in autumn, while the education of the festive cabbage, the toothsome radish and the succulent potato is certain to have the front pages and top of column as regularly as the spring comes round. It is hard to decide whether this is the fault of the publisher or of his circle of readers. One may, indeed, question whether a magazine devoted to the unusual flowers and vegetables would be as successful as one that constantly harps on the way to cultivate the commoner ones. Certainly the general public rarely has a taste for anything out of the ordinary in gardening. Its predilections run largely to lilacs, "syringas," bridal wreath and roses in the line of shrubs, and peonies, bleeding hearts, phlox, and the common day lily among perennials. Seldom does it get beyond the common annuals—morning glories, asters, pansies and petunias. Here and there on large estates where the planting has been done by the landscape gardener we find the rarer shrubs and other perennials, but elsewhere the nature of the planting indicates that we are still far from ideal conditions. The great mass of the people still need to be shown that there are better and more beautiful plants than the few with which they are familiar. They need to know that there is more than one iris or day lily, that the Canterbury bells have finer and more permanent relatives, that in general perennials are far superior to annuals and so on. But how are they going to find out these things if the gardening magazines persistently stick to their tulips and cabbages? —*The American Botanist.*

Sandusky, Ohio—Leo P. Wagner, proprietor of the Central Greenhouses, has secured the properties of the Clyde Floral Co., including greenhouses and flower stores in Clyde and Bellevue. The business will be merged and all conducted from offices here.

GREENHOUSES BUILDING OR CONTEMPLATED.

Augusta, Ky.—V. H. Thomas, house 28 x 118.

South Paris, Me.—E. P. Crockett, addition.

Great Barrington, Mass.—Edgewood Farm, addition.

Richland, Wash.—Richland Nursery Co., one house.

Dorchester, Mass.—Newton Miller, 117 Center street, one house.

Montreal, Can.—William C. Hall, Montreal West, range of houses.

Milwaukee, Wis.—Holton & Hunkel Co., 462 Milwaukee street, range of houses.

Princeton, Ill.—W. E. Trimble Greenhouse Co., 614 South Main street, four houses.

Montgomery, Ala.—Rosemont Gardens, W. B. Paterson, proprietor, range of houses.

Lancaster, Pa.—Julius P. Siebold, 924 East Orange street, one house. Rudolph Nagel, West End avenue, house 12 x 100.



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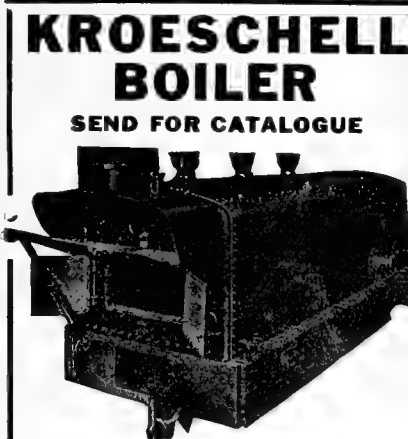
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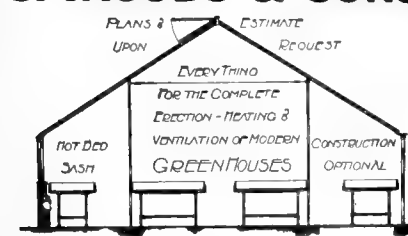


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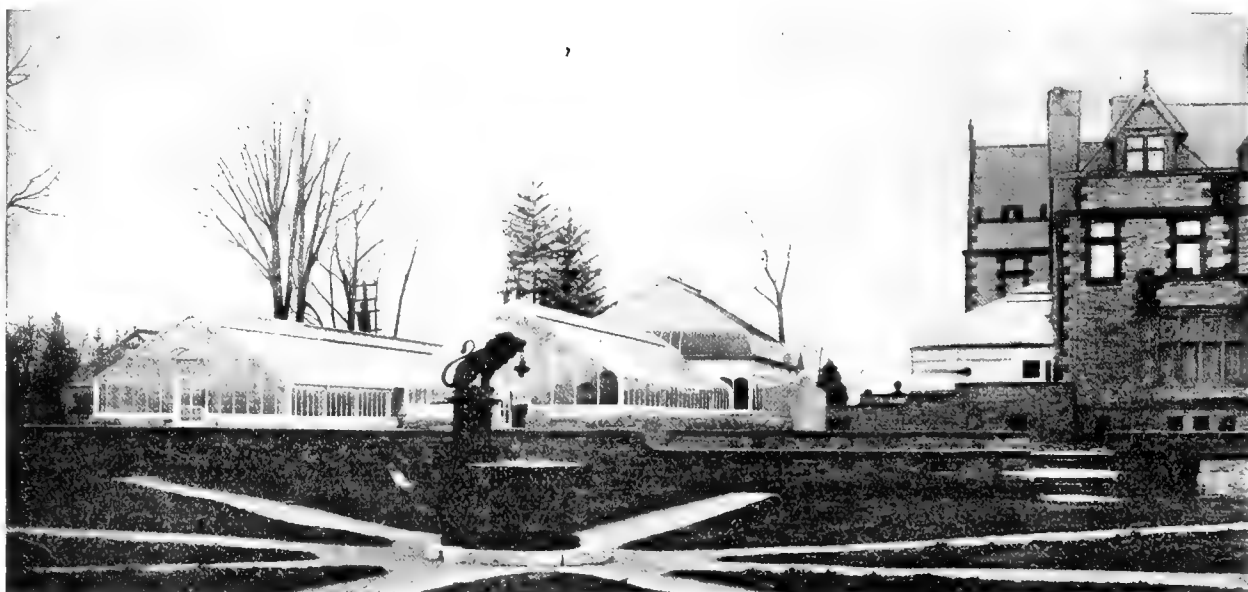
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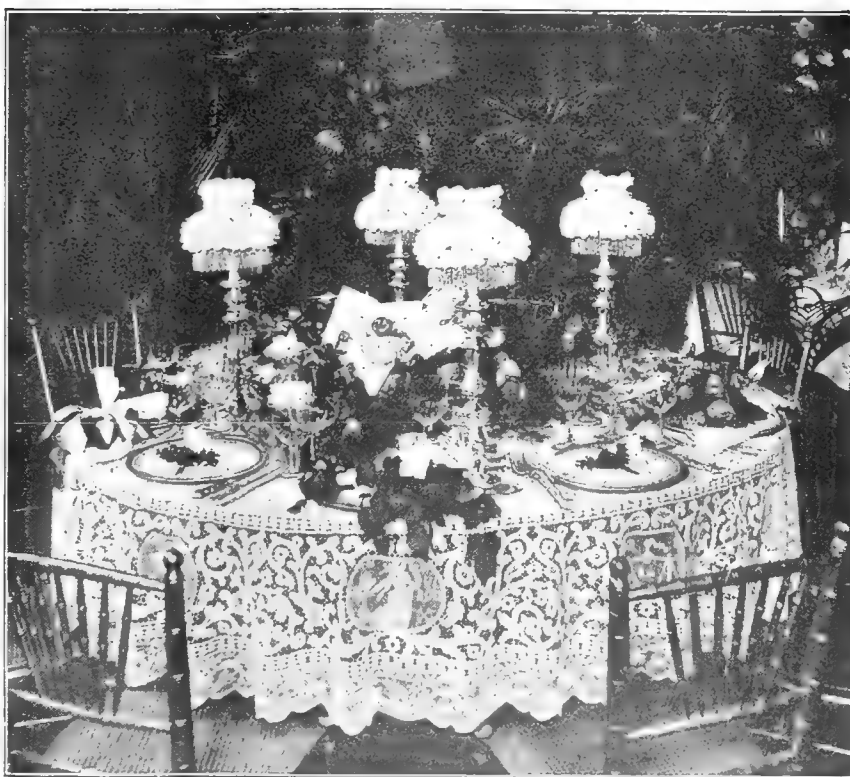


HORTICULTURE

Vol. XVI

DECEMBER 14, 1912

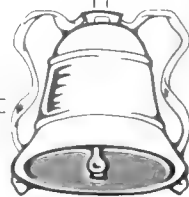
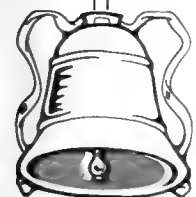
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5½-in. pots

6-in. pots \$12, \$15 and \$18 per doz.

7-in. pots

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3-in. pots, \$25 per 100.

4-in. pots, \$35 per 100.

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3-in. pots, \$15 per 100; 4-in. pots, \$30 per 100.

Assorted varieties

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If unable to call, you may send us your order, large or small, with every confidence that it will have our best attention

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We take pleasure in calling the attention of the trade to our Plant Combinations for Christmas sales. These are better than any heretofore offered. This year the same idea of filling them early in order to thoroughly establish them has again been carried out; but instead of using tubs or the ordinary clumsy receptacle, we have had made artistic baskets, etc. These are well made boxes covered with birch bark and rattan. The baskets we have in three sizes, 8, 10 and 12 inches, and a special indoor window box, 18 inches long, 6 inches deep and 6 inches wide. In filling these the styles are varied in order to give variety, and nothing but high class plants are used in the filling, such as Crotons, Pandanus, Dracaenas in variety, Ferns, etc. We assure you much time and thought have been spent to have them thoroughly durable and artistically correct.

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(Baskets supplied by H. Bayersdorfer & Co.)

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8-in. pots, \$2 and \$2.50 each.

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8-in. tubs, \$18 per doz.

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5-in. pots, heavy, \$50 per 100.

5-in. pots, very heavy, \$9 and \$12 per doz.

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6-in. pots, extra strong, \$12 & \$15 per doz.

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baskets.

3-in. pots, \$15 per 100.

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DRACAENA MANDALANA. Large leaf,

beautifully colored bright red.

6-in. pots, \$15 and \$18 per doz.

7-in. pots, \$18 and \$24 per doz.

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5-in. pots, \$9 per doz., \$70 per 100.

6-in. pots, \$12 per doz., \$90 per 100.

7-in. pots, \$15 and \$18 per doz.

8-in. pots, \$24 and \$30 per doz.

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EVERY VARIETY IN NEPHROLEPIS

IN EVERY SIZE

EVERY DAY IN THE YEAR.

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8-in. pots, \$12 and \$15 per doz.

10-in. and 11-in. tubs, \$18 and \$24 per doz.

ASPARAGUS Plumosus Nanus.

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All are sound and will be good stock for Easter flowering

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	100.	1000.		100.	1000.
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Von Sions. First size, single-nosed	1.50	13.50	Mixed Choice Double Varieties	.75	5.75

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Golden Spur. Deep yellow perianth and trumpet; very large; equally good as a forcer and for garden; extra selected bulb; double-nosed.	100.	1000.	Incomparabilis Figaro. Perianth primrose sulphur; cup bordered orange red	100.	1000.
First Size X	\$1.25	\$11.00	Silver Spur. French-grown	\$0.50	\$4.00
Mother Bulbs XX	1.75	16.00	Leedsii, Mrs. Langtry. Broad white perianth and large white cup; edge bright yellow	1.25	10.00
Priniceps. Very early; sulphur trumpet, white perianth; a popular forcing variety; first size X	.75	5.00	Leedsii, Queen of England. Beautiful large flowers with fine fringed citron-yellow cup	.50	4.50
Mother Bulbs XX	.85	6.50	Barrii Conspicuus. Large, soft yellow perianth; short cup; edged orange scarlet; extra fine	.50	4.50

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PEACH BLOSSOM. The color is a delightful soft pink; free flowering; growing as freely as the white types. \$1.50 per doz., \$9.00 per 100.

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	Doz.	100.	1000.
Astilboides floribunda	\$1.00	\$6.50	\$64.00
Compacta multiflora	1.00	6.50	60.00
Gladstone. Enormous spikes of pure white flowers	.75	6.50	75.00
Queen of Holland. One of the finest; grand florists' variety	1.25	8.00	75.00
Japonica	.75	5.75	55.00

GLADIOLUS

Colvillei and Nanus (type)

Plant some of these among your Carnations; they will come in handy at any time.	100.	1000.
Ackermannii. Salmon-orange, with white blotches, edged scarlet; very pretty	\$0.85	\$7.50
Blushing Bride. Flowers are large, pure white with delicate pink spot. Useful for early forcing	.75	5.50
Delicatissima superba. Pure white, bright, large, carmine blotch	1.75	16.75
Fairy Queen. Carmine red, white blotch	.85	7.00
Fire King. Orange scarlet, purple blotch, purple bordered	2.00	18.00
Pink Perfection. A fine rose variety	.75	6.75

Queen Wilhelmina. Blush white, with conspicuous blotches of cream, with scarlet margin	100.	1000.
Sappho. Large white, shaded pale lilac, with faint creamy blotches edged violet	2.00	18.00
The Bride (Colvillei alba). This lovely white miniature Gladiolus makes a useful cut flower	.85	7.50

GLADIOLUS GANDAVENSIS HYBRIDS

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America. The flowers, which are of immense size, are the most beautiful flesh-pink color. \$3.25 per 100, \$30.00 per 1000.		
Augusta. The florists' best white Gladiolus	100.	1000.
First size bulbs, 1 3/4 inches and up	\$2.00	\$18.00
Bulbs, 1 1/2 to 1 3/4 inches	1.75	16.00
Shakespeare. White and rose	5.25	50.00
May. Pure white, flaked rosy crimson; the best forcer; selected bulbs	2.25	20.00
Brenchleyensis (true). Fiery scarlet; top roots.	1.75	15.00
Selected bulbs	1.00	10.00
First size	1.35	12.00
Boddington's White and Light. Extra selected bulbs, 1 3/4 inches and up	1.25	10.00
American Hybrids. A mixture of the choicest varieties of Gladiolus	1.75	15.00
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Seedsman 342 West 14th St., New York City

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Size 7/9 inch.....	\$8.50 per case of 100 bulbs
Size 7/9 inch*.....	20.00 per case of 300 bulbs
Size 8/10 inch†.....	12.00 per case of 100 bulbs
Size 8/10 inch.....	23.00 per case of 250 bulbs

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Begonia Gloire de Lorraine, edged with asparagus, 6-in. pans, 50c.; 6-in. pans, Kentia palm in centre, 25c.; 5½ to 6-in., 40c., 50c., 75c. to \$1.00.

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Begonia Glory of Cincinnati, 50c., 75c. to \$1.00.

All the above begonias are superb, the finest I ever offered; every one a seller.

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Azalea, Simon Mardner, Vervaeana, Deutsche Perle, Pharilde Mathilde, \$1.00, \$1.25, \$1.50, \$1.75 to \$2.00.

Poinsettias, 5½-in., 35c.

Ferns, Boston, Scotti, Whitmani, Schoelzeli, 5, 5½, 6 and 7-in., 35c., 40c., 50c., 75c.

Adiantum Hybridum, the improved Maidenhair Fern, large, 4-in., 15c.; 5¼-in., 25c.

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We have a large stock of 2½-in. dish ferns, good assortment at \$1.00 per 100.

Wilsoni Ferns. Made up in 6-in. pans, 25c. per pan; 6-in. pans with one large sized *Dracaena Terminalis* in the center, 50c. per pan. This is a handsome combination and will sell on sight.

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Cyclamen, single and combination, 5½-in., 50c.

Rubber Plants, 6-in., 25 to 50 inches high, 75c., \$1.00, \$1.50, \$2.00 to \$3.00.

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Kentia Forsteriana, 5½ and 6-in., 25 to 50 inches high, 75c., \$1.00, \$1.50, \$2.00 to \$3.00.

Kentia Forsteriana, made up, 50 inches high, 7-in., \$3.00 to \$4.00.

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In Writing to Advertisers Kindly Mention "HORTICULTURE"

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Christmas Azaleas

Azaleas should be out enough in bloom by this date to allow the plants to be hardened off some. It will require at least five or six days in a lower temperature to bring them into anything like proper condition to stand the store or house. To harden them off they should not be kept any warmer than 55 degrees at night and 50 degrees would still be better. Give ventilation whenever possible, but be careful not to admit cold draughts or you will experience trouble in having the flowers wilt. See that these plants are not overlooked as to proper watering whenever they need it, and space them far enough apart so the light and air will have a chance to circulate through them. Where they are full out and there are a good many bright days they keep in better shape by having a shady place to stand in. Go over the pots and see that they are clean, bright, and attractive looking to the eye.

Poinsettias

Christmas is the season for the popular poinsettia and the coming holiday will see an enormous increase in the number used. Those not yet well developed in their bracts should be given a high temperature of anywhere from 65 to 70 degrees at night, with an increase of from 15 to 20 degrees during bright weather. Stock fully developed will be better for having the temperature lowered to about 55 degrees four or five days before they are wanted as it will help them to harden up into better shape. Poinsettias in pans or pots should neither be overwatered or allowed to become dry at the roots as either extreme will cause the foliage to turn yellow. To have cut poinsettias in perfect condition they should have the ends cauterized by being dipped in boiling water for about twenty seconds—this will prevent their wilting—and then place the stems half way in water. The best temperature to keep the bracts in after they are cut is from 45 to 48 degrees, leaving them here from 12 to 18 hours which will put them into fine shape to stand up for holiday use.

"Made-Up" Plants

This is a noteworthy feature of the Christmas trade and seen in all conceivable forms and styles of combinations. Now is the time to get busy on these pleasing arrangements of flowering and foliage plants in pans, baskets, hampers, jardinières, dishes of fanciful design, and other receptacles of various descriptions. Before commencing see that the stock you are about to use is given a thorough watering or dipping. All these plants are usually firmly root-bound and should never be made up when the least bit dry. When making up lily of the valley, Roman hyacinths or other bulbous stock they should be placed as closely as it is possible to place them, but of course all this work should be done under a guidance of sense for beauty, symmetry and pleasing outlines. Well-flowered plants of Begonia de Lorraine, cyclamen,

primula, etc., that are bushy and well-spread will produce a fine effect when intermixed with some foliage plants of varying kinds. It always pays to strive for light, airy, dainty and graceful effect.

Flowering Plants for Christmas

With Christmas only about ten days away much can be accomplished in properly preparing your stock for the occasion. All plants that are a little behind, but justify a hope that they can be brought in on time will stand a week of hard forcing. All such plants as lilies, Roman hyacinths, narcissi, lily of the valley, Lorraine begonias, callas, cyclamen, etc., will stand and willingly respond to extreme measures in forcing in on time. Give all flowering plants that show proper expansion of bloom cooler quarters, not necessarily well-lighted. When treated this way they will finish up into fine shape and will handle better in every respect than if kept in strong heat up to the last. From this out you will need to exercise continued watchfulness. With the increased fire heat and sudden bursts of bright sunshine now and then pot plants will want watering at the roots. Ventilate freely on all suitable occasions, but beware of cold piercing air striking your flowering plants as it will prove a quick despoiler of their beauty.

Keeping Christmas Greens

With many florists Christmas greens are a leading feature of the holiday trade. To have wreaths and wreathing ready and in sufficient quantity for Christmas will require some care and management. All Christmas greens, whether made up or not, should not be exposed to severe weather or drying influence. Made-up work or cases should be stored in some cool shed away from either heat or dryness as they soon begin to shrivel if not placed under proper conditions. There is no better place for wreaths than on the floor of a cool moist cellar. They can be made up a week ahead of time and placed upon some papers so as to keep them clean. Where the cellar is not perfectly dark place some papers over the wreaths as light always injures them. For Christmas trees the best place is on the north side of some building where the sun will not strike them.

Freesias for Easter

Now is a good time to plant a batch of freesias for Easter. These bulbs like a good rich soil, so give them three parts of fibrous loam to one part of cow or sheep manure. It is a good plan to place from 15 to 18 bulbs in a 6-inch pan. After they are planted they can be placed in a house that runs anywhere from 45 to 50 degrees at night. Do not water too heavy until they have become well-rooted, when they will take plenty of it. When they start to come up give a well-lighted bench well up to the glass and a temperature from 50 to 55 degrees at night and they should come along in good shape for Easter.

Mr. Farrell's next notes will be on the following: Azalea Mollis; Dutch Hyacinths; Dendrobiums; Lilies for Easter; The Propagating Bench; Petunias.

Perennial Scabiosas

The annual scabiosa or Mourning Bride, especially its new improved large-flowering strain, has during recent years gained full recognition as an excellent plant material for mixed border planting and for the formal flower garden. Great variety in shades and tints and a remarkable floral productiveness are chiefly responsible for their general popularity among garden owners.

That the hardy perennial sorts of scabiosas seem to enjoy less of this popularity is by no means because of lack of merit of this class. The flowering period of the Blue Bonnets, the common name for *Scabiosa japonica*, *S. caucasica* and as latest improvement, the large and beautifully frilled *Scabiosa caucasica perfecta*, extends away beyond that of the annuals. The noble size and form of the individual flower of the blue bonnet is captivating at a glance. The wonderful soft clear azure blue of the petals surrounding the yellowish green center is another feature forcefully impressive. The stems are long, stiff and very substantial and the flowers in a cut state show admirable lasting quality. It is therefore not in the least surprising that they are at present very highly treasured by European designers, who class the blooms of *Scabiosa caucasica perfecta* among the choicest material for genuine artistic work. For them the exquisite shade combining purity and rare delicacy decides the issue. It is a color very beautiful by itself and of wonderful effect when blended with pure white. During the last two seasons I availed myself of the opportunity of introducing *Scabiosa caucasica perfecta* to the society ladies of northern summer resorts, with whom their flowers, from the very start, became outspoken favorites.

Perennial scabiosas can be easily raised from seed, which can be sown in May in cold frames, or early in January or February in light sandy soil under glass. Indoor, a temperature from 50 to 60 degrees, pure air and free exposure to sunlight are necessities. The seed



Scabiosa caucasica.

equals in size that of centaureas. For those of my readers desiring to sow I advise to order at least one ounce to start with. When planting out in the open ground I always took care to give the soil surface around the young plants a light mulching of clean short lawn clippings. This mulch protects the tender roots from being injured by excessive sunheat and helps to retain an even moisture in the ground, until the plants have become large enough to shade themselves. Perennial scabiosas, when used in the garden, should be planted not further apart than 10 inches and in sufficient numbers together to give from the very start the desirable effect; from 25 to 50 being the minimum for this purpose. Late in the fall I cut part of the tops down and protect the remaining plants with a layer of leaves covered over with brush.

Riverton, N. J.

Richard Roth

Fertilizers for Flowers

Chrysanthemums

The science and practice of manuring is a subject that means a great deal to the florist in these days of keen competition, for the art of feeding plants accurately is one that requires sound judgment. If on the one hand the plants are over-fed it may lead to serious results while if they do not receive the necessary stimulant they require they will not produce blooms to perfection. One mistake that is often made with regard to feeding chrysanthemums is neglecting the plants in the early stages of growth and trying to make up for arrears by over-feeding at the finish; such work is always disappointing. After the cuttings are well-rooted they should be repotted into 5-inch pots in the following compost. Six parts of maiden loam, one part of decayed manure; after this has been sifted add 1 lb. of fine bone meal and 1 lb. of soot to every barrow load.

Values of potash is that it makes plants resistant to fungoid diseases, thus being useful in checking rust, it is also useful in dry seasons for it delays maturity. During the growing season a sprinkling of lime over the surface of each pot will prove beneficial. Superphosphate is also useful but must be used in rather small quantities, say $\frac{1}{4}$ oz. per 8-inch pot and three times its bulk of soil should be mixed with it. This is an excellent thing for checking the growth of foliage and to improve the color of the blooms. Where it is desired to grow large blooms the plants should be well fed once a fortnight with guano or fish manure at the rate of 2 oz. per square yard and for a liquid manure if the plants are watered with nitrate of potash and phosphate $\frac{1}{2}$ oz. of each to 1 gallon of water, they should produce excellent blooms.

L. Barton

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

The Christmas Crop

All buds that are to be in for the Christmas holidays will have to be a fairly good size by this time. The houses should receive the very best of care, and do not raise the temperature at night by any means. We find there is nothing in trying to force the buds to open, as all that is gained in this way is lost again later on, and more too, for the increased temperature will have a none too good effect on all the shorter growth. This is especially true of American Beauties and many failures may result because of this course.

Sometimes a fine house of Killarneys could be in for Christmas by lowering the temperature a little. Where all the plants are to come into crop at once this can be done, as little harm will result. Of course it must not be carried too far—never allowing the thermometer to register below 56 degrees F. This will bring the crop in a few days later and at the same time will not hurt the plants in any way. After the crop is cut off, bring the house around to the regular night temperature.

The New Roses

Some of the new roses about to be disseminated by some of our leading growers, are certainly fine in growth and in resisting diseases. A good way to judge these roses is to see them in the market as well as in the green-houses. Some varieties are excellent keepers, will stand handling well and, to say the least, are a great improvement over some of the older varieties. We think it would be time well spent for all growers to carefully investigate and compare the new roses with the varieties they are growing at present.

Propagating

The season will soon be here—much sooner no doubt than many of us would wish it to be. But it being unavoidable we might as well take it as it comes. Are you prepared? Is your soil protected? Have you a good supply of sand on hand? These are three very important questions, and we cannot feel sorry for the man who just simply will not put up any soil or who will not spend a cent to protect his sand and things. "Penny wise yet pound foolish" would well apply to such growers, who figure it is too much expense to buy leaves or manure to cover the soil heaps and then have men waste hours of valuable time with picks to break up the frozen mass and cart it into the potting shed to thaw. Such

soil is never as good as soil that remains loose and friable quite some time before it is used. It is expensive business, to say the least, to neglect the soil to this extent. If you figure time and energy thus wasted you will find it costs twice as much more as proper protection for your soil and manure would cost.

Syringing in Winter

As we all know, the plants do not dry off as rapidly in the winter as during the summer months, and artificial heat must be resorted to, to dry them off. In these cases do not be afraid to put on a little air to liberate some of the dampness. Do not carry this to any extremes by any means, but do it in moderation, even though it does take a shovelful of coal which otherwise would remain in the coal bin.

After a good syringing, do not forget to give the plants a thorough shaking. Be sure to do this right after syringing so that the plants have a good chance to dry off before night. We always aim to have the plants quite dry before noon, seldom doing any syringing after eleven o'clock. As we have recommended again and again, do not neglect to blow plenty of air-slacked lime underneath the plants to dry out the air a little bit. It is really surprising what a difference this little lime will make. To prove the moisture-absorbing qualities of lime you have only to put some that is perfectly dry into a place where the air is more or less damp. You will quickly see the difference, for the lime will not remain dry for any length of time. This goes to show the importance of always using fresh lime and not lime that has been lying around cellars for ages.

The Cold Snaps

In our vicinity the weather has been unseasonably warm, outside of a young blizzard on Thanksgiving. This will not keep up forever, and woe unto the man who is caught napping with his coal bin empty. We always try to fill our coal bin the latter part of July and are then sure of having plenty when we need it. The coal men also forget that there is a shortage of cars, or that they cannot get good help, and will sometimes be in a little different mood than they are when Jack Frost starts blowing his cold breath into their faces, so consequently their prices may be a wee bit lower. At any rate it is well to lay in your supply early, not waiting for a drop in prices. It usually goes the other way. It is only the prices of cut roses that come down.

BOOM YOUR BUSINESS

by advertising your goods in the

Horticulture

Publicity among the kind of readers reached by this paper is THE SORT OF PUBLICITY THAT PAYS.

Construction of a Modern (Very Modern) Vinery Border

Men have been constructing vine borders for several hundred years in one way or another and in glass houses for a century at least. Up till comparatively recent times these borders were outside altogether or both outside and inside; they were sometimes six feet deep and fertilized by quantities of whole bones and frequently by whole carcasses. This kind of vinery border is admittedly a thing of the past, gone never to return.

There are still some good growers who believe in the outside and inside border and no one will deny that where local conditions happen to be suitable, splendid fruits have been produced under these conditions. However, the modern idea of the construction of vine borders is fairly well known to all horticulturists and has been frequently written upon in *HORTICULTURE*, but the idea which I wish to expound is something different in detail and, to the best of my knowledge, new.

This will be best understood by referring to the accompanying plan which shows at the top a section of the border and beneath a section through the planks of con-

thoroughly, soaking every inch of soil in the border (so many grapevines fail to do their maximum through insufficient watering) and no one will question the desirability of getting the liquid manure on the border in some other way than the customary one.

It is not necessary to fill the border for watering purposes more than a few inches up from the bottom of the soil as capilarity will do the rest providing the water is left in for an hour or so. To ascertain the amount of water in the border, set up a two-inch iron pipe over one of the joints of the planks and reaching above the top of the soil; then with a stick it can easily be measured. A carpenter or handy man should have no difficulty in making a few moulds for the planks which form the bottom and they should be one inch wider at the top than at the bottom and spaced as shown in plan, which will ensure perfect drainage (which also means perfect aeration) and any particles of soil which should get in between the planks will drop clear to the floor to be subsequently carried away through the drainage outlet.

Instead of occupying the whole floor space of the vinery, as is usually the case with the border, we make it, at most, six feet wide and any depth from thirty to sixty inches although the writer thinks about three ft. is the preferable depth and will give 90 cubic feet of soil to each vine if they are spaced five feet apart. The first year the vines are planted, from six to eight inches of soil will be ample and if the plants do well they will fill this quantity of soil full of roots. The second year another six inches may be added and so on till the border is full. There is no need of being afraid of filling up around the stem of the vine, as, done gradually, like this, it will root all the way up.

A few suggestions to those who make a *Very Modern* vine border. Don't use anything but the concrete planks in the bottom, as there is nothing else suitable.

Cover the ends of the outlet pipes with some small meshed galvanized wire to prevent vermin going in and being a nuisance.

Remember that this border will dry out rapidly and therefore should be carefully watched in that respect.

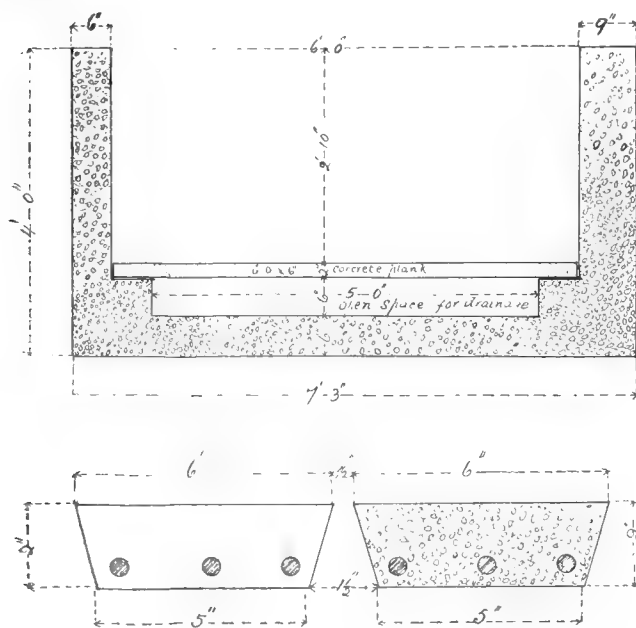
Don't think that because this is not the kind of border they had where you served your apprenticeship it is no good; rather submit it to reason and weigh up its good or bad points against the ordinary border.

Edwin Jenkins

Lenox, Mass.

Cover Illustration

The attractive Christmas table which appears in the centre of our cover design was the winner of the first prize as a rose table decoration at the Cleveland exhibition, C. M. Wagner being the exhibitor.



crete of which the bottom is made. A section lengthwise of this border would show the pitch of one-eighth of an inch to the foot of the floor of the open drainage space, which would give about six inches in fifty feet, but it would be better in all cases where conditions would allow to pitch it both ways from the centre. The outlet should be a short piece of two-inch galvanized iron pipe with a valve on the outside and to take full advantage of this style of construction a pipe of any convenient size should be connected to this open drainage space from the water supply and of course valved on the outside and to make it still more complete a separate pipe should be laid on for liquid manure, the purpose of these pipes being sub-irrigation, not that we think water applied by sub-irrigation has any peculiar virtues of its own, but rather that it is a great time-saver and does its work so

FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Building Up a Vine

Exactly how long we shall have to wait before we can see the grapes hanging from all the wires is a question often put to the grower. "Why can't we have grapes right away the first year after planting, and why are only a few bunches grown instead of covering the whole thing with fruits?" "Why was so much of the vine cut away at the time of pruning?" Who has not heard one or all of these questions, the answer to which may be found in the head-line? It is possible to cover all the wires with fruit the second season and perhaps a third. It is during the succeeding years the trouble will be encountered probably in the form of shanking.

Overcropping a young vine is a big mistake, it saps all the vitality for years and some do not get over it at all. Another thing is the desire of some to run the vines up quickly, filling the house in a couple of seasons; this, too, is a detriment to the constitution of the vine. What is needed is a steady advance—each year seeing an addition both of vine and number of bunches. After planting the vine should be reduced to two eyes and the first year given up to laying the foundation of a good root action. This is promoted by encouraging top growth. After a distance of four or five feet has been covered by the single rod it can be pinched (or stopped) and allowed to break into two or three growths—enough to fill all the wires. In this way a large breathing surface is secured. Leaving two eyes when pruning after planting is only a safeguard in the event of one being rubbed out or broken off. One is sufficient to take up; the other must either be stopped at three or four leaves or rubbed out. Permitting the growing one to continue until four or five feet have been covered is to make the first portion of the rod. This comes into notice at the end of the season and we are confronted with the question of how much vine to leave. Four feet should be the limit the first year and about three feet in succeeding years. In this way the vine is built up gradually; additional number of bunches are produced annually and the vine is benefited by the slight extension of the rod annually until the limit is reached. The extension system as practised in some places is not to be generally recommended. It is a pleasing sight, however, to see a whole house filled with one vine and carrying a full crop.

Pot Vines

Pot-vines started the middle of November should have the night temperature raised to 50 degrees F for a few weeks and as the first leaf expands 55 F must be a minimum. At such times the night temperature indicator should read 55 to 60 F. This advancing of temperature plays an important part in the production of fruit at all times, more especially the earliest houses. Conditions being different at different establishments makes it hard to define an "exact" for all. Although it makes it easier

for the night fireman to have the required temperature marked down he should thoroughly understand that in severe weather a drop of 5 degrees is preferable to excessive fire heat in all houses treated in this column.

Pruning Peach Trees

At the time of making some notes on disbudding trees growing on the trellis I mentioned the advisability of removing those on the underside, as it simplified pruning later on. Anyone who has practised both in the endeavor to prove which is the best, will, I feel sure, agree with me that trees having growths left on both sides of the shoots are much more difficult to prune, and make a poorer looking tree than those which have growths left on the top side only. When pruning trees growing on the former method one often finds vacant V shaped spaces to be filled in when tying. The first consideration is to keep the bottom of the tree filled with good wood. This is sometimes overlooked. The top and center will always fill up, the latter often too much so, making it necessary to remove some good fruiting wood. As the bottom ought to be kept well furnished so ought the center to be kept open to make room for young growths. Having all the fruiting wood on the top side, it is an easy matter to cut away the old underneath wood and draw its successors down. All pruning should be done before the trees are cut away, then a good idea can be gained of what is required to "fill the bill" next year. There may be times when good wood has to be cut away, yet it is better to do so than have a tree overcrowded. Where it is possible the same man should prune the trees that disbudded them. Some growths will have to run a little close but the majority should be four inches apart. Use a sharp knife and always make a clean cut. Young trees will need very careful pruning, as their future depends on it. Trees planted this time will need little pruning. It is a mistake to prune them hard back, as it only induces strong heavy wood.

Order Seeds

Get your order in for vegetable seeds for the coming year, without delay. Nothing is gained by leaving it until a few days before something is needed. Soon after receiving the 1913 catalogs the list should be compiled and sent in. This not only gives the stores a better chance but you are sure of your seeds on time. If you do not want them around so soon give a date for delivery. *Do it now* by drawing up your lists and save the wait later on. Novelties should always be tried, but do not put in a main crop of some novelty you have not tried before, however good it seems to be, for it may not suit your locality.

A Correction

Through an oversight in copying, a little error crept into my notes on Strawberries in last week's issue, viz.: Have the pots washed clean "soon after the leaves appear" should read "soon after being removed from the leaves they were plunged in."

HORTICULTURE

VOL. XVI

DECEMBER 14, 1912

NO 24

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

ADVERTISING RATES

Per inch, 30 inches to page..... \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (12 times), 10
 per cent.; six months (26 times), 20 per cent.; one year (52 times),
 30 per cent.
 Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at
 Boston, Mass., under the Act of Congress of March 3, 1879.

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After eight
years

In presenting our readers with our eighth anniversary number we look back over the years that have passed since HORTICULTURE was born, with feelings of the most pleasurable character as we call to mind the fears and uncertainties that obtruded upon our hopes in those infancy days as we tried to peer into the unknown and trace out what might happen to us. Eight years is a much longer time when one looks forward to it than it appears in retrospect. Looking back now the difficulties that are inseparable from every enterprise and of which we had our fair share, have lost their terrors. We recall nothing that invites regrets but much that inspires gratitude, particularly to the thousands of new and old friends who have stood by HORTICULTURE, overlooking its short-comings, extending substantial encouragement and according it an exalted position among horticultural periodicals. To these tried friends and to the many more who will join the ever-increasing family we hold out our promise of untiring effort on our part during the coming year to make HORTICULTURE increasingly helpful and acceptable to all those whose avocation is the "art which doth mend Nature."

A recognition
and a moral

The award of the George Robert White medal of honor to M. H. Walsh which is announced in our news columns this week makes very pleasant reading. We have known Mr. Walsh personally for "nigh on to forty years." Quiet and unobtrusive, with no pretensions beyond the sphere of a working gardener, Mr. Walsh has toiled along through all these years and done his great work patiently without presumption or ostentation. And yet the man who gave Lady Gay, Hiawatha and Wedding Bells to the world has a good right to feel proud of what he has accomplished and has well won the distinguished honor now conferred upon him—an honor that neither wealth nor social position nor self-exaltation or flourish of trumpets, but merit alone can win. Contrast it all with the self-laudation, vain conceit and arrogant claims made by those who seek to fill the paper with manufactured plaudits and their pockets with the proceeds therefrom. This action by the White medal trustees places a new stamp of nobility on the real gardener and will be interpreted the world over as a wholesome rebuke to the mountebank.

"All for each,
and each for all"

The publicity campaign for developing greater public appreciation of our floral products which has been inaugurated in a practical manner by the New York Florists' Club can only accomplish its purpose by the hearty co-operation of the trade and the trade organizations throughout the entire country. To be successful it must be one grand push, all together. Ambitious phrases about advancing horticulture and uplifting things generally are apt to roll off our tongues or our pens in a generalizing sort of way that does not always indicate any very deep reflection as to their meaning, the deciding upon any altruistic course of action, or the formulating of any practical ideas as to what means we can or will use to give life to these otherwise empty

An Orchid Sport



Colin B. Ogston, superintendent of the Kimball conservatories, Rochester, N. Y., sends us the photographs herewith reproduced. The possibility of an orchid sport has been a subject of much discussion among the great specialists, all such "malformations" as are apparent in the subject of these notes being regarded as malformations simply and without any "fixed" type quality that would entitle them to any recognition as "sports." In the letter accompanying the photographs, Mr. Ogston writes as follows:

This "Little Babe" as we call it, came from *Cypripedium Harrissianum* of a very fine variety. Two years ago I noticed a peculiar leaf growth on the old root. It was thick, short and malformed, having three corrugated ribs on the leaf. It was so different from the leaves on the mother plant that I decided it was a sporting babe. It grew very fast, and flowered—a greenish yellow overlaid by light chocolate, very dwarf and very distinct, as the mother plant is a fall grower, and very dark in the color of the flower and does not have the shape of the flower—flat. This flatness is a good acqui-

sition as the flower does not turn back its petals, consequently never looks thin. Some idea of its remarkable growth can be imagined as the little fellow has nine growths now in full vigor after but two years. It is the most rapid grower among cypripediums that I know of. The type is set having three flowers on the plant when photographed, all perfectly formed. We firmly believe it is the first known orchid sport.

Professor Bailey said there was no known record, that he could find of any orchid producing a sport. It is no malformation; it is simply a little gem, very dwarf and compact, making a large flat flower and very distinct from any cypripedium that has been produced hitherto. Looking back at the thousands of orchids that have been imported here, and in Europe, it seems strange that at last the "sporting babe orchid" has come. Any further information that your readers would desire will be cheerfully given.

Respectfully yours.

Colin B. Ogston.

phrases. Whatever we do or seek to do for commercial horticulture or with a view to extend horticulture as an art, it must be conceded as a fundamental proposition that the attitude of the public, whether due to a transient whim or to a well-founded principle, is the prime source to which we must look for the creation of new life and energy in the floral business and ornamental horticulture generally. With this fact in mind does it not seem strange that so large a proportion of those engaged in one or the other fields of horticultural industry are disposed to entirely ignore and stand aloof from all educational movements not dealing directly with purely trade questions? Mr. Thilow's address, reproduced in part in this paper, should be read by such. As Mr. Thilow truly says, the amateur clubs and associations

would welcome the advice and co-operation of florists (and nurserymen and seedsmen, too) in communities where better civic conditions are being advocated. And doesn't it seem a very short-sighted policy that the majority of our trade people have thus far been following, in discarding these opportunities? The more the people, children and all, are brought to the feeling that the flower and the plant are things that concern everybody the more our industry will thrive. So above all, don't shirk your share of the work or the responsibility. Every individual should be willing to contribute his part to the general campaign, otherwise

"How can he expect that others should
Build for him, sow for him and at his call
Love him, who for himself will take no heed at all?"

FLORISTS' CLUBS: THEIR FIELD AND THEIR DUTY

(Extracts from a paper read by J. Otto Thilow, before the Gardeners' and Florists' Club of Boston.)

Our Resourceful Profession.

No other profession is so resourceful as ours; none so varied and interesting; nor has there been in any other sphere of man's occupation the same possibility of developing and elevating the condition of the people of our land. It is true that commerce backed by healthy monetary conditions, with facilities to meet the upward trend demanded in modern civilization, has set the land and its people wild with enthusiasm to reach a standard above other countries. Our cities have grown far beyond their environment in much shorter time than had been provided for. The congestion has become uncomfortable and the facilities for transporting the masses are taxed beyond their capabilities, and all because the home dwellers and those who are mindful of their families' urgent needs are seeking the open air, the sunlight, the trees and verdure and outdoor life as much as the seasons will permit.

Floriculture's Influence.

What has this to do with the florist and gardener? Are we not the projectors of the civic condition in the localities where we are located? It is in your power to change Sodom into Eden and bring order out of chaos. Lanes have been made into parkways, bare hillsides planted with trees and shrubs, polluted streams are changed to babbling brooks, the former weed plots to flower gardens and parks—everything is done to beautify our surroundings, our homes, cities, and in fact our whole country. A flower has passed into the hands of some child, which suddenly awakened into admiration for this token of nature—within a few years the admiration grew into intense love for flowers—no social function could pass without lavish provision of flowers and plants—and at no time in the year is that home without floral decoration, nor the garden without its maze of color and variety in plants and trees. There is no doubt but what at some time this fondness for flowers would have developed of its own volition—such cases are the exception, but the rule should be general and would be if we were alert and used the opportunities which come our way. At Eugene, Ore., near Oregon City, if you are passing through with the other passengers you will be presented with a bouquet of roses, showing what can be produced there and in quantity. Should a real estate agent pass through the train with offers of homes or even small farms, one would doubt the genuineness of his offer, but roses appeal to everyone and make an affectionate and lasting impression, and as used in this case are a strong advertising medium.

Co-operative Benefits.

That there has been advancement through affiliation there is no doubt, as we have seen the progress of our business within the past decade. The ripe knowledge of the vigilant and hard-working florist with the up-to-date methods now practiced, particu-

larly that of specializing, the interchange of ideas at the club and convention where we tell all we know and have learned through hard knocks and even losses, the publicity given to every club in the country and its doings through the horticultural trade press acquaint us with one another's ability in specific and skilled lines. If our club and society affiliation does no more than to broaden our minds, widen our principle and exert our interest one for another, it does much toward the uplift of our florist brother in the remote parts of this great land and even abroad. It was said to me by one of the American visitors to the London Flower Show, that he was in company with an English grower going to visit another grower who lived a short distance from the gentleman walking beside him, who said: "This is my first visit to my neighbor, and we have been nearly side by side for many years." The American grower said: "Do you mean to tell me that you are not more congenial and neighborly than that? In America we could not afford to do that; if we did not learn from our neighbor, it is a blessed thing that he can learn from us." If the expedition of our American brethren to the other side has helped infuse a neighborly spirit among our foreign brethren, then we were angels of mercy, indeed; and we feel better for knowing we have done some good. There is one thing sure. The visit to London impressed our delegation with the assurance that there is yet much to be done to reach the perfection in floriculture so lavishly displayed by them. We have gained much in these expeditions across the ocean. We have added to our list of geniuses enthusiastic exponents in horticulture; they have mounted the rostrum and thundered for the truths and ideals which have given us great inspiration. There are two great factors in our land today, the possibly half hundred Florists' Clubs, and four energetic publications devoted to the trade, and about a half score of magazines and other publications to greet the anxious amateur and enthusiast.

Cultivating the Field.

This would seem to be as far as we can get in publicity in making our presence known, and yet there are thousands who are blessed with an in-born trait and love for plants and flowers and get no encouragement from anyone except such as are highly enthusiastic and bubbling over with even a faint knowledge of horticulture. Are we so absorbed in our busy life, that we do not find time to cultivate a fondness for flowers in others who are only waiting for some one to lure them? In my engagements with civic clubs I rarely find a florist interested, but many of the best ladies of our land active in the betterment of the surroundings of all classes, by the suggestion of better horticultural conditions. Surely this is a branch that the florist should be concerned in. These clubs and associations would welcome the advice and co-operation of the florist in the communities where

better civic conditions are being advocated. Let us in some modest way demonstrate to the public that our business, the cultivation of plants and flowers, concerns everybody, and by our earnest interest in our profession do what we can to awaken the latent love for flowers in others.

Publicity Advantages.

Can we measure the good that will result from the recent and initiative move of the New York Florists' Club in their publicity effort? It is one of the most stimulating enterprises entered upon in the past quarter century; present results may not warrant the assertion, but the indications are far beyond a prophecy. Let every Florists' Club in this country awake to what might be done in their respective localities, fall in line with the New York Club, and let us be altogether in one move, universal the country over. Create the demand—young men are continually stepping to the front to learn the old profession by the new methods. Lumber and glass are available, and the ever-balmy sunlight, an unpaid agent of unbounded scope.

We as active members in the club, reap benefits by our association with each other, but what about the man behind the gun? He who watches the plant's peculiarities and its needs, whose experimenting has given results; is it best to let him grind on or to let him mingle with others of the same profession, that there may be a mutual profit through each other's experience? Bring him out, introduce him to the club; have him become a member; shall he only learn from such affiliation? Nay, he may teach us that which his experience has gained for him. We can increase our own usefulness by such development.

What the Club Can Do.

The club could be made the centre from which new methods for the general business of handling flowers should emanate—an exchange for business and a resort for pleasure. A full equipment for games. A reading room provided with publications of the latest issue; horticultural matter in magazine and book form; conveniences for ladies who would be glad to spend one evening a week at games, to practice for the events at the S. A. F. Convention; a hearty co-operation with the ladies means in turn encouragement in business. From our clubs have sprung the social features of the S. A. F. Conventions.

Let me entreat you and all of the clubs and associations of our profession, that publicity of the right kind will bring about astounding results. As a source of information, I have written to the secretary of every club and association in the country as far as I could secure their names. I wanted information as to what the clubs were doing in publicity, and also invited their suggestions as to what might be conducive to the furtherance of the florist business. Responses have come from a small portion of the fifty inquiries sent out, but the an-

ADIANTUM FARLEYENSE AND A. F. GLORIOSA.



ADIANTUM FARLEYENSE



ADIANTUM FARLEYENSE GLORIOSA

The picture herewith represents an unusually well-grown *Adiantum Farleyense* in a 16-inch pan which was exhibited at the recent horticultural show in Newport, R. I., and won the Michell silver medal as the most meritorious exhibit staged there. The exhibitor was John B. Urquhart, gard. for Mr. R. L. Beeckman of Newport, who also showed some extra well-grown plants of the new variety, *Gloriosa*, in seven-inch pots, of which a picture is also shown.

For many years the old *A. Farleyense* has been considered the most beautiful of all ferns, but it now seems to have a strong rival in this new variety, which is very similar and

is said to thrive well in a lower temperature than is suitable for the older type, which is its parent. Mr. Urquhart has excellent success, however, in growing both varieties under exactly the same kind of treatment. The house used is a low even span with curved eaves; runs nearly due east and west and glass is lightly shaded. The night temperature aimed at is 75 degrees with a rise to about 80 on clear days.

Propagation is mostly done in early spring when plants are in the most vigorous stage of their growth. For this purpose old plants are broken up into single crowns with at least a part of a live frond on each which is necessary for support in the rooting

process. After being well rooted in a bed of clear sharp sand they are potted in small pots with a mixture of fibrous loam and leaf soil, and plunged to the rim of the pots in a bench of damp sphagnum moss where they grow very quickly. From this stage on the soil used for potting is old sod, well chopped up and mixed with well rotted cow manure. Feeding with liquid cow and sheep manure is also done to some extent. A moist atmosphere and fire heat is supplied all the year around.

At this residence this fern is used extensively as plants and cut fronds for table decorations and is always much admired.

JAMES ROBERTSON.

swers thus far received are most gratifying. In several instances the Publicity Committee are supplying articles every week for newspaper publication—something suggestive of the abundant bloom at the different seasons. In another case, a Florist Club is fostering a School Garden contest, under the direction of the Woman's Club. Another club collected \$300.00 from florists for Mothers' Day advertising in street car, newspaper and wagon banners, and they report the results are wonderful.

In conclusion, I wish to emphasize, that whatever you debate in the club consider seriously the matter of production and prices. First-class stock will always find a market, but we don't wish to stop there. Moderate prices will influence the masses, and if possible get a flower into the hands of every man, woman and child, encourage the use of flowers at every function in the home, the festive hall and public demonstration, and by all means let the public know that you are a florist.

The essay committee is the most important of the club. Men who can interest both from knowledge of horticulture, and interesting topics of present day modern methods, should be available. Encourage exhibitions at the meetings. Have occasional outings during the summer and don't leave the girls at home. A member-

ship committee is necessary to look up new members, and have every florist, grower, wholesaler and retailer in the chairs at every meeting, including your workmen and subordinates.

What I have learned in my personal touch with my florist brethren of the Florists' Club of Philadelphia is the one paramount thought of doing whatever is best for the advancement of the business and broadening the horticultural realm—to make optimists, to use the club as a safety valve and engender personal feelings conducive to good friendship, and infuse a geniality into those with whom we associate. This genial temperament is usually characteristic with the florist. His life should be resplendent and aglow with cheer, because his occupation is in touch with nature's sweetest product.

M. H. WALSH HONORED.

The trustees of the Massachusetts Horticultural Society have awarded the George Robert White medal of honor for the year 1912 to Michael H. Walsh of Words Hole, Mass. This is the fourth award of this medal by the society which is voted annually for eminent service in horticulture.

Mr. Walsh is well known as the originator of many new and valuable varieties of roses known and highly appreciated the world over

TO KEEP CUT POINSETTIAS.

Everyone knows how prone the poinsettia bracts are to droop after cutting and how almost impossible it is to revive them. The cause is attributed to the "bleeding" of the stems when cut. This may be stopped at once, says R. E. Loeben of Gloversville, N. Y., by dipping the ends into finely sifted hard coal ashes. This seals up the sap at once and the stems will then take up water like a rose or carnation.

Mr. Loeben says also that if the same course is pursued with poinsettia cuttings they can be rooted easily in the pans or pots in which they are to stay.

CHRYSANTHEMUM NOVELTIES.

Still they come! At the meeting of the Floral Committee of the National Chrysanthemum Society, London, on October 29th last, there were 74 new varieties submitted for adjudication. The standard is a severe one and not more than twelve secured the coveted award. Had it been a French show we fear the committee would not have cared to incur the risk of offending so many disappointed exhibitors, but then let us say with Sterne "They order this matter better in France," but for "better" read "differently."

C. HARMAN PAYNE.

INTERNATIONAL FLOWER SHOW

Address by Chas. H. Totty, Before the National Association of Gardeners, November 19.

Members of the National Association of Gardeners:

The question I wish to present to your notice is—What part will the superintendents and gardeners of this country play in the international show scheduled for next April in the New Grand Central Palace, New York? I think I am safe in saying that the finest plants in the world have been imported and sold in the neighborhood of New York in the last twenty years. These plants in the natural order of things, since they cost considerable money, have been bought by your employers and at the present time many of them are reclining in the greenhouses, within easy shipping distance of New York.

Are you going to leave them there or bring them out next spring and let the rest of the country see stock they have never previously had any knowledge of? We are now working on the final schedule which devotes considerable special classes, especially for the private growers in both plants and flowers, and which, in the aggregate, amounts to some \$5,000 for the gardeners alone. This is the first time in the history of the Society of American Florists and Ornamental Horticulturists, to my knowledge, that special classes have been made; the first time that private growers have been recognized as a large factor in the development of horticulture, and the fact that the Society of American Florists which is primarily a trade organization, is willing to do this, is a tribute to the growing force and power of the private gardener in the horticultural world.

As members of different local horticultural societies, your response to my appeal to join with the parent body, has been very generous. Practically every society within a reasonable distance of New York, will be represented by a silver cup or cash premium.

We also have working with us, the American Rose Society, American Carnation Society, the Gladioli and the Sweet Pea societies, and for once horticulture presents to the world a solid front, standing together, and it will show to the world an exhibition that will demand recognition as being the finest achievement in the annals of horticultural and floricultural history in America.

My friends, it is fitting that this should be so. As the editor of the New

York World remarks in a recent editorial:

"When 130,000 people throng to see a flower show in New York, the popular vogue of flowers must be regarded as pretty conclusively established. This is about as many people as constitute the capacity audiences at the theatres on holidays, and the fact bears witness to the place flower exhibitions now hold as fixed events in the fall calendar, equally with football, the opera and the horse show."

Note the final paragraph:

"But behind the vogue in this country and most suggestive of all the circumstances having to do with its popular appeal is the confirmation the attendance at flower shows gives of the true aesthetic sense in a city where as many people go to see flowers, as to a world's baseball series."

I remember, and so do you, when about all the space a flower show would get in the metropolitan dailies was two or three lines in an obscure corner. Flower shows and the flower industry were regarded with toleration

connected with the "upper crust" of New York society and they will be present. If the employer sees his name in conjunction with the "First Prize" at the "greatest flower show America ever had," he will think just that much more of his gardener. Those of you who are so loyal to your local shows, know just how true this is.

The average American is content with nothing but the best and if the spirit of emulation between the employer and the gardener, is encouraged, there is little doubt but that horticulture will rise even more rapidly in the immediate future.

There is nothing about the cultivation of plants and flowers that will degrade a man. On the contrary, it is the most elevating pastime that a millionaire can spend his time and money in following.

Those of you who saw the International Show in London this year, or who followed it closely, could not fail to be struck by the thousands of men, who gave liberally of their time and money to make that show the splendid success it was.

Conceding that this interest is not so widespread in our own people, still it is bound to come and I want to see the gardeners occupy their proper position at the head of the procession and there is no better place to leap with one bound into this premier position than next spring at the National Flower Show in New York. New York has not had a really representative show for years. The exhibitions have always been badly handicapped by the many local societies that are holding their own exhibitions at about the same time. Loyalty to his local society and a desire that his employer, (who is very often still stopping at his country house) will see his products, make the gardener look after his local show first. In this case we have a grand spring show when there will be no other flower shows to take away the interest or the exhibits and I look to see the gardeners make this show one worthy of the highest praise.

Since the preliminary schedule was printed we have received many handsome donations of silver cups, gold, silver and bronze medals, etc., and from the purely material standpoint of getting something in exchange for one's labor the show will be something worth while.

As an educational feature the society is planning to give two lectures a



For Full Information, Schedules, Space for Trade Exhibition, etc., Write to John Young, Secretary and Manager for Trade Exhibition, 54 West 28th Street, New York City.

simply as a hobby of the rich. Today the people are awakened to a sense of the value of a flower show in cultivating the aesthetic taste of a city and we can get almost any space we wish in the leading newspapers of the country. An indication of this is shown in the New York Herald of Nov. 18th, which gave over half a column to the National Flower Show which we are at present discussing.

The popularity of any undertaking, be it sport, business, or an individual, can always be determined by the amount of space that the newspapers can be induced to give the same. A newspaper man has his ear to the ground all the time watching the trend of popular thought, moulding it oftentimes when wrongly directed and giving it unlimited space, when as a news item it is of interest to the large body of our people. I am firmly of the opinion that this flower show in New York is going to set a record for attendance at a flower show in America.

Many of your employers are con-

day on different matters pertaining to horticulture, every day during the exhibition. R. F. Felton, for instance, whose fame as a color artist in plants and flowers is international, will speak on "Color Harmony and Floral Arrangement." J. K. M. L. Farquhar, will give us one of his inimitable talks on some of the gardens of the old world. One or more American floral artists will give lectures on their ideas of floral art from an American point of view, and other well known men will speak on different phases of horticulture. In this branch alone these lectures ought to put horticulture at least ten years ahead.

This is not an American show alone. Some European exhibitors are having stock specially grown and bulbs forced in this country to give it an international flavor.

The Chicago Society, the Massachusetts Horticultural Society, the Shaw Botanic Gardens of St. Louis, all offer gold, silver and bronze medals for this show, as does also the American Institute of the City of New York.

The hall is large enough; the number of classes is large enough, and every man here present this afternoon can be, if he wishes, represented in a greater or lesser degree in this great show.

Special Prizes.

The receipt of further special prizes is reported by Chairman Chas. H. Totty, among them the following:

By the Missouri Botanic Garden, St. Louis, Mo., a cash prize of \$500 for the most meritorious new plant exhibited, the plant to be judged as to its economical value or esthetic qualifications, or both, and to possess characteristics making it distinctly different from, or an improvement over, similar plants previously grown.

By the New York and New Jersey Plant Growers' Association, \$25 for the best 50 ft. of geraniums; and \$25 for the best 50 ft. of bedding plants, geraniums excluded.

Trade Space Selling Rapidly.

John Young, manager of the trade exhibition to be held in connection with the International Flower Show to be held in New York in April, 1913, reports that space is being rapidly taken up, and the exhibits staged will be most comprehensive in their scope.

The following is a list of those in the trade who have already taken space:

A. N. Pierson, Inc., Cromwell, Conn.	\$391.00
W. E. Marshall & Co., New York	220.00
John Lewis Childs, Floral Park, N. Y.	200.00
Reed & Keller, New York	20.00
Revere Rubber Co., Boston, Mass.	20.00
Peter Henderson & Co., New York	10.50
Pierson-U-Bar Co., New York	100.00
Wm. Tricker, Arlington, N. J.	100.00
Hitchings & Co., Elizabeth, N. J.	300.00
The Weathered Co., New York	270.00
Lord & Burnham Co., Irvington, N. Y.	100.00
Roman J. Irwin, New York	100.00
Ralph M. Ward, New York	100.00
Mt. Desert Nurseries, Bar Harbor, Me.	150.00
Kessler Bros., New York	151.00
H. F. Mitchell Co., Walden, N. Y.	100.00
Coldwell Lawn Mower Co., Newburgh, N. Y.	100.00

LAELIO-CATTLEYA LUSTRE "LAVENGRO."



Not many of the hybrid orchids have yet gotten into the commercial cut-flower class and it will undoubtedly be a long time before the lovely Brasso-cattleyas, Laelio-cattleyas and other gems of similar origin are within the reach of the florist. The noble flower herewith illustrated, as well as others that have appeared in our pages of late, must whet the appetite of all, however, and everybody, whether growers or decorators, will recognize

the advance that is being made by the hybridists and enthusiasts who are devoting their lives to the interests of their loved specialty.

The Laelio-cattleya here illustrated is an enormous flower, the huge lip being of an intense and brilliant purple. The plant was shown in the collection of Sir George Holford, H. G. Alexander grower, at the International Horticultural Exhibition in London and received a first-class certificate.

Burnett Bros., New York	120.00
King Construction Co., N. Tonawanda, N. Y.	150.00
J. A. Peterson & Sons, Cincinnati	75.00
Bon Arbor Chemical Co., Kearney, N. J.	100.00
J. M. Thorburn & Co., New York	650.00
H. G. Dreyer & Son, Cleveland, O.	100.00
Knight & Struck, New York	200.00
Johnston Heating Co., New York	275.00

Robbink & Atkins, Robert Craig Co., R. & J. Farquhar & Co., Kroeschell Bros. Co., B. Hammond Tracy, Julius Roehrs Co., F. R. Pierson Co., A. T. Boddington, The Advance Co., and the Stumpp & Walter Co. will all take large blocks of space but have not definitely decided on the location or the amount of space they will require.

Advertising in Program.

Among those who have taken space in the official program are:

A. T. Boddington, Peter Henderson & Co., Florists' Exchange, Revere Rubber Co., Brecht Co., W. F. Kasting Co., Lord & Burnham Co., Hitchings & Co., Charles H. Totty, Welch Bros., Benjamin Hammond, Traendly & Schenck, Philip J.

Kessler, Henshaw & Fenrich, Aphine Mfg. Co., W. Atlee Burpee & Co., N. F. McCarthy & Co., R. & J. Farquhar & Co., New York Cut Flower Co., Henry A. Dreer, Inc., A. N. Pierson, Inc., New York Cut Flower Co., Henry A. Dreer, Inc., A. N. Pierson, Inc., Johnston Heating Co., Burnett Bros., John Lewis Childs, P. J. Smith, Walter F. Sheridan, Bon Arbor Chemical Co., Arthur Cowce, Anton Schultheis, Badgley Riedel & Meyer, C. C. Trepel, William Thompson's Son (Scotland), Edw. V. Low (England), Schloss Bros., Roman J. Irwin, R. Vincent, Jr. & Sons Co., Thomas Roland, Gude Bros. Co., Coldwell Lawn Mower Co., F. R. Pierson Co., J. Roehrs Co., Waban Rose Conservatories, Horticultural Co., A. J. Guert, Wm. E. Marshall & Co., J. M. Thorburn & Co., Charles A. Dards, Max Schling, Paul Meoni, Kentucky Tobacco Products Co., Weathered Co., More, Hentz & Nash, Advance Co., J. William Colloche's Sons, E. G. Hill Co., M. A. Rowe, B. Hammond Tracy, Cottage Gardens Co., A. H. Langjahr, H. E. Froment, Standard Thermometer Co., Quaker City Rubber Co., Wm. Kessler, The Koryn Co. Alex. J. Woeber & Don, A. L. Miller, Florists' Hart Assn. of America, E. S. Miller, Knight & Struck, Pierson-U-Bar Co., Hentsch & Co. (Germany).

J. H. PEPPER,
Chairman Publicity Committee

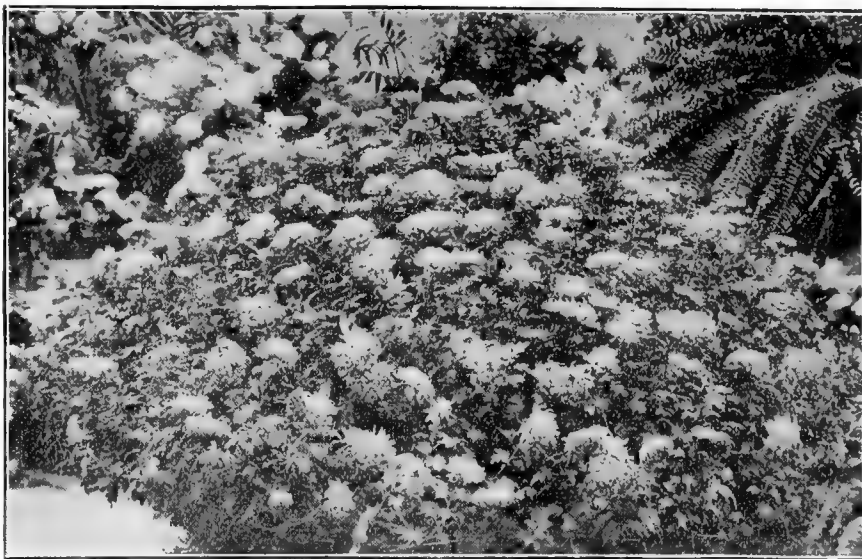
A VISIT TO WELLS'.

In a quaint little village known as Merstham are the far-famed nurseries of our old friend, William Wells. William (we speak of the father, for there is a William the son), is not unknown to enthusiastic "Mummers" on the other side of the Atlantic and those of our readers who have made his acquaintance need no introduction to him or description of his plain, sturdy, John Bull-like straightforwardness and honesty of purpose. He is a typical Britisher of the gardening type, no fuss, no nonsense, no make-believe, but just himself, and no other. William knows something about chrysanthemums. He knows how to raise them, how to import them, how to grow and show them and probably how to sell them. That's his business; ours is only to write about them. So once again on a pleasant October morning we set forth to visit his place and see the novelties of the season before they are placed before the public at the big shows where "Mummers" most do congregate. Long experience has shown us that if we want to do serious, critical work, to go round a nursery by one's self, accompanied by a guide such as William, is the only satisfactory way to do it. To try to do it at a show is to court, if not failure only a partial success, for hand-shaking and gossip are there too frequently in the ascendant.

The big show house at Merstham is a double span, 120 by 50 feet, in which the gems of the collection are sheltered from the variable weather we are justified in expecting between the time of pheasant shooting and the close of the chrysanthemum season. Our readers must not assume that is the only house; we pass one after the other low-pitched houses containing earlies, decoratives, late stuff for cutting and also singles in which there seems to be quite a boom in these latter days. Fancy the old-time florist looking at singles! Why, a quarter of a century ago he and his colleagues would have pitched the whole lot on the dunghill. Time changes all things. But we of the old school instinctively give precedence to the big show blooms and we are ushered into the glass structure aforesaid, there to feast our eyes to our hearts' content on the gems of the collection for show.

In one-half of the house the big bloom plants are arranged. Some of the varieties, of course, are not new seedlings, but have been grown one or two seasons. We notice Japanese are almost wholly those on view—substantial blooms of dimensions needed on the show board. Some have already made their name; others have yet to do so. H. E. Converse strikes us as a beauty—long, spreading florets, twisted and curly at the tips. Mrs. R. Sutford is one of the richest and biggest of crimson. Lenox is a big Jap., deep in build, a close, compact flower—color pure canary with silvery yellow reverse. Queen Mary is a new white, a colossal show Jap. of premier quality. Mr. J. H. Cocken is a rich pure golden yellow and although a Jap. has medium twisted florets, curly at the tips with reverse rather paler. Frank Payne, a huge show Jap. of the drooping petalled type is most delicate in color, pale rosy blush.

A GIANT CHRYSANTHEMUM



The photograph from which the accompanying picture was reproduced comes from Denver, Colo., and the grower of the plant illustrated was Wm. E. Keith, an old-time Bostonian,

now with the Park Floral Co. The plant carried 815 blooms and, although not a trained plant, was really a well-grown and symmetrical specimen. The variety is Georgiana Pitcher.

In yellow along the same bank of bloom we see some grand Lady Talbot, Countess Granard, Mrs. L. Thorn, and several others. By way of a change we come across an incurved of American origin, Golden King, a lovely shade of rich golden yellow like our old variety, Jardin des Plantes. Pockett's White Australian is another big one. It has rather narrow florets, which are long, drooping and twisted and will make up a flower of great depth. For color E. J. Brooks, Gertrude Peers, a rosy crimson, Mrs. R. A. Witty, rich crimson and gold, want beating. An immense Jap. is Antigone, milky white, a perfect globular mass of closely intermingling florets. A grand thing is Mrs. G. Lloyd Wigg, recently certificated. The florets are pale canary of enormous length, drooping and curly, and the flower as shown is almost like a shower bouquet.

Under the other span of this house are set up the collection of show singles. Mrs. W. Garner, Mrs. T. Gilben, Edith Pagram and a whole host of others. We leave this house and close by we see the ground where 30,000 lifted plants for stock have been growing till recently comprising the most useful of the Japs., the decoratives, the singles and the earlies. Another house contains Pompons and Anemone-flowered varieties that have almost gone out of fashion, and for which there is still a little sale. The house adjoining contains singles for cuttings in which a large trade is now being done by all our specialists.

One of the results of William Wells' visit to America may be seen in the erection of two new lofty houses for carnation culture on the American plan. In one he has on the bench system 3,400 plants; in the other 3,000. There are many other houses and frames and pits full of material for turning into money, but we are invited to go round the turn of the road to a recently acquired piece of land where our friend, aided by the efforts

of his sons, has somewhat extended the sphere of operations. Planted out on this ground is the hardy herbaceous collection, roses and specially Michaelmas daisies which were making a grand display of color. The entire collection of early outdoor chrysanthemums are grown in long rows in alphabetical order.

We could have said much more, but our task is done and yet only half done, if we have failed to impress our American readers with the necessity of paying a visit to this eminent growers' place next time they happen to be in old England during the autumn season.

C. HARMAN PAYNE.

OBITUARY.

Dr. William A. Buckhout.

Dr. William A. Buckhout, Professor of Botany and the senior professor at the Pennsylvania State College, died of heart disease on Tuesday, December 3, 1912.

Dr. Buckhout was born December, 1846, and graduated from the Pennsylvania State College in 1868. In 1871 he became Professor of Botany and Horticulture in this college. In the changes brought about in agricultural sciences during recent years he became Professor of Botany. For many years he was Botanist of the Pennsylvania State Board of Agriculture. In 1888 he was appointed to the Pennsylvania State Forestry Commission and was a prime mover in the state in creating and taking an active interest in Forestry. He was a Fellow of the American Association for the Advancement of Science. He was author of papers such as "The Chestnut as a Fruit and Food," "The Effect of Smoke and Gas on Vegetation," "A Microscopic Examination of State College Water Supply," "Forest Fires," and others, with annual reports as State Botanist. The people of Pennsylvania will join his family in mourning his death.

CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

The meeting of this club on Monday evening, December 9, was a record-breaker in attendance, there being close to 175 members and prospective members present. The occasion of this outpouring was the election of officers, there being three nominees for the presidency, leading three distinct groups of followers, each group determined to carry its candidate to glorious victory. According to the by-laws of the club a majority of votes cast is necessary for an election. The result of the first ballot for president was as follows: H. A. Bunyard 44, Wm. H. Duckham 37, Wm. H. Siebrecht 58. A new ballot was then ordered and it resulted in the election of Mr. Siebrecht by a vote of 61 to 57 for Mr. Bunyard, Mr. Duckham having withdrawn his name. The other officers elected were as follows: Secretary, John Young, unanimous; treasurer, W. C. Rickards, Jr., 76 to 61 for Philip F. Kessler; trustees, C. B. Weathered, W. F. Sheridan and John Miesem by substantial majorities.

Wm. H. Siebrecht is a highly respected and widely known representative of the flower growing fraternity. His place is in Astoria, Long Island City, and is famous for the high quality of the output, of which lily of the valley and forced bulbous stock of various kinds is the principal part. Mr. Siebrecht has been a member of the S. A. F. from the start, also of the New York Florists' Club. He might have been president of the latter many years ago but always declined the honor until now. He will make a popular presiding officer for the coming busy year.

During the course of the evening J. B. Nugent reported a satisfactory interview with the steamship officials with regard to the receipt and proper care of flowers sent to passengers when departing; C. B. Weathered reported a very liberal response to his committee's request for contributions towards the entertainment of visiting florists at the National Flower Show; A. L. Miller, on behalf of the awards committee, reported 91 points awarded to carnation Matchless and 87 points with a certificate of merit to carnation Wm. Eccles; he also announced that the new rose Mrs. Shawyer and Brozert had been carefully compared and were found to be distinct. A batch of new members were elected and brief speeches were made by several. Nineteen new members were proposed; it was suggested by W. J. Stewart that they be regularly qualified at once instead of being held over until the January meeting, but this motion was declared to be out of order. This plan of holding membership propositions for a month is a good one provided its intent of giving time for inquiry into the fitness of a candidate for admission is carried out, but when, as is the case here, the rule is simply a dead letter there is no apparent advantage in this bit of meaningless red tape.

A list of ladies to serve on entertainment committee at International Flow-

er Show was named by President Manda.

Exhibits were made by Scott Bros., Wm. Eccles carnation; J. D. Cockcroft, Northport carnation; Traendly & Schenck, Salmon Beauty carnation; Julius Roehrs Co., pink poinsettia, and Wallace R. Pierson roses Milady and Mme. Jules Grollez.

ELBERON HORTICULTURAL SOCIETY.

The regular monthly meeting of this society was held in Firemen's Hall, Elberon, N. J., on Monday, Dec. 2nd, with President James Kennedy presiding. After the regular routine of business, Jos. A. Manda of West Orange installed the newly-elected officers, as follows: President, Geo. Masson, vice-president, Thomas Hambleton; treasurer, A. Bauer; secretary, Chas. C. Duncan; assistant secretary, Wm. R. Seymour. A vote of thanks was accorded to the retiring officers.

The Boddington medals for horticulture, which were awarded for point competition during last year, were won by the following: 1st, gold medal, George Masson, with an average of 83.5; 2nd, silver medal, Wm. R. Seymour, average 82.5; 3rd, bronze medal, Charles C. Duncan, average, 79. In the competition for those without greenhouses, August Grieb was first and Ed. O'Rourke second. Chas. De Wilde was awarded a certificate of culture for a display of carnations.

At the next meeting, January 6th, Thos. Hambleton will talk on the "Culture of Chrysanthemums."

WM. R. SEYMOUR,
Asst. Sec.

NEWPORT HORTICULTURAL SOCIETY.

The annual meeting of the society was held Dec. 10 with President A. S. Meikle in the chair and a good attendance of members. Officers and executive committee were elected as follows: President, A. S. Meikle; first vice-president, William Mackay; second vice-president, John B. Urquhart; treasurer, A. K. McMahon; recording secretary, D. J. Coughlin; financial secretary, William Gray; sergeant-at-arms, W. F. Smith; executive committee, with the above officers, Richard Gardner, Alex. MacLellan, John T. Allan, C. M. Bugholt, Bruce Butterson, James Bond, James Boyd, J. Robertson. This meeting also marked the close of a yearly competition in helping the society in various ways, the competition being governed by a special scale of points which encourages the members to attend the regular meetings, exhibit at the shows, secure new members, etc. The first prize, a valuable silver cup, was won by A. L. Dorward; the second prize, also a silver cup, goes to J. Robertson, and the third, a cash prize, to C. M. Bugholt. The report of the treasurer showed a very good cash balance, and the society seems well equipped in every way for the business of the coming year.

J. R.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

At the December 3rd meeting of the Pittsburgh Florists' and Gardeners' Club, on December 3, P. S. Randolph gave an interesting and timely talk on Christmas Greens and Decorations. Mr. Randolph is senior member of P. D. Randolph & Sons, plant growers, and senior member of Randolph & McClements, retail florists, and is the oldest florist in the city actively engaged as both grower and retailer, so that when he said a retail florist could not be a good plant grower, we all pricked our ears and sat up. He went on to say that the demands of the retail end of the business on the man who grows his own stock were such that he is continually being compelled to retard or force growth, either to meet the demands of the present or the expected demands of the future, and by this way of doing is never able to put out his plants at their best. He thought the time was coming rapidly when plant growing would be divided among specialists, as the variety of plants now grown is beyond the ability of any one plant grower to meet their various requirements and furnish at their best.

Speaking of *Ardisia crenulata* he showed fine specimens of plants with good-colored berries, grown from seed. This plant, he said, was not often raised from seed in this country, but it could be done and there was a profit in it. Mr. Randolph is a firm believer in the future of the plant growing trade, and has recently erected a range and established his two sons in that branch of the business.

Cultural certificates were awarded to Randolph & McClements for well-grown plants, Walter James for Begonia Turnford Hall. Mr. Turner, of Winkinsburg, showed *Primula obconica*, and the Bureau of Parks showed well-berried *Solanum capsicastrum*, variety Fra Diavolo, and an interesting vase of outdoor grown plants and grasses.

At the meeting in January the nomination of officers for 1913 takes place.

H. P. JOSLIN, Sec'y.

FLORISTS' CLUB OF WASHINGTON.

The subject of advertising for the holidays was the main topic of discussion at the December meeting of the Florists' Club of Washington. An effort will be made to have the newspapers take up the cause with a view to the publication of interesting reading matter pertaining to flowers, bulbs, etc., in the news columns. This will be under the direction of the recently appointed publicity committee. The use of placards in the windows of at least the uptown stores as an advertising medium was discussed and a general consensus of opinion was that it was unsatisfactory and detracted from the appearance of the stores. As a result of this it is probable that all sorts of card ads. will be barred from display in so conspicuous a place as the windows and all such available space will be given over to the rightful showing of stock.

Xmas---Plants---Xmas

Ardisias
Cyclamen
Araucarias

Oranges
Erica Melanthera
Scottii Ferns
Cibotium Ferns

Crotons
Lorraine Begonias
Boston Ferns

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GIMBEL'S, New York City

Largest Retail Plant Dealer in the United States

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The next regular monthly meeting of the club will be held at Horticultural Hall on Tuesday evening, December 17, 1912, at 8 o'clock. This being the annual meeting for the election of officers a large attendance is particularly desired. Mr. Andrew Christenson of Stoneham will give an address on a recent trip to the Panama Canal while the tellers are sorting and counting ballots.

Landscape gardening classes were resumed at Horticultural Hall on Tuesday evening, Dec. 10, and will meet each Tuesday for 16 weeks. Teachers are Messrs. R. W. Aldrich and Paul R. Smith; tuition fee \$8 for the full course, one-half payable when entering and the balance at the commencement of the second term. Classes are provided for both advanced students and beginners and a few can still be accommodated. Club members only can join these classes.

The following nominations of officers for 1913 were made at the club meeting on November 19; these are to be voted on at this meeting.

President, W. J. Kennedy; vice-president, H. H. Bartsch, Eber Holmes; secretary, W. N. Craig; treasurer, Peter Fisher; executive committee, John Reid, William J. Patterson, F. E. Palmer, Henry Penn, Duncan Finlayson, A. K. Rogers, J. Van Leeuwen, Robert S. Edgar, Peter M. Miller, James L. Miller, Joshua Lawson and W. C. Rust.

W. N. CRAIG, Sec.

CLUB AND SOCIETY NOTES.

The Gardeners' and Florists' Club of Baltimore held their regular semi-monthly meeting on Monday, Dec. 9, in Florists' Exchange Hall. President Christie presided. There was a good number present and plenty of music to begin with. The club is increasing its membership continually, which now numbers 280.

At the annual election of the Chicago Florists' Club Guy French was elected president; Alex. Henderson, vice-president; Wilder Deamud, secretary; E. F. Winterson re-elected treasurer. Richard Vincent, Jr., entertained the club with his stereopticon lecture on the London flower show, which was greatly enjoyed by all present.

David F. Roy, superintendent of the Converse estate in Marion, Mass., was to have been the speaker at the December meeting of the New Bedford Horticultural Society, but on account of the storm the committee telephoned to Mr. Roy that it would not expect him. Accordingly, Mr. Roy will give his talk on chrysanthemums and the work of transforming the Converse estate into its present state of beauty, at the next meeting of the society in January. The public will be invited to attend this meeting, which will be held in the hall in the library building.

The regular monthly meeting of the Southampton (N. Y.) Horticultural Society was held in Odd Fellows' Hall. The business of having the society incorporated is going ahead

slowly. It was decided to have a dinner on Jan. 2, and a committee was appointed to make arrangements for the same.

At a special meeting two weeks ago. W. Gomersall of Nyack read a splendid paper on soils and fertilizers. He was awarded a standing vote of thanks, and on motion it was decided to have 200 copies of the paper printed and distributed to members of the society.

WM. McLEOD, Cor. Sec.

At the regular meeting of the Tuxedo (N. Y.) Horticultural Society held on Dec. 4, the nomination of officers was made for the ensuing year. President Tansey was urged to accept re-nomination but could not be induced. James MacMackan was nominated for president, Frederick Raike for vice-president, Simon Hilmers for treasurer and Joseph Becvar for secretary. For executive committee the following were nominated: Joseph Tansey, David McIntosh, Frederick Bentley, James Allen, David S. Miller, Edward Wilson and Patrick Cassidy. It is hoped that every member will attend the annual meeting January 1st, 1913, as two amendments to the by-laws are to be acted upon.

E. WILSON, Sec'y.

The North Shore Horticultural Society had a "Carnation Night" at its regular meeting in Manchester, Mass., December 6th. The speaker of the evening was A. A. Pembroke of North Beverly, who read a paper on this, his favorite flower. Mr. Pembroke talked as only a specialist and a practical man can and had a fine exhibit of cut flowers to show that he could deliver

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the goods with stems. The banquet committee has decided to have that occasion come off January 22nd, instead of this month. It was voted to hold two shows in 1913 as usual.

The Lecture Committee, of which Eric H. Wetterlow is chairman, have issued a handsome topic card for the course of lectures for the coming season. The list is as follows:

December 20th—Renovating an Old Orchard. By Allen Swain, of Boston, Mass.

January 3rd—Trees and Shrubs. By John Kirkegaard, Bedford, Mass.

January 17th—What We Do Not Know About Soils and Fertilizers. By Dudley M. Pray, Boston, Mass.

February 7th—The Creation of New Flowers and What Has Been Accomplished Recently. By Maurice Fuld, Philadelphia, Pa.

February 21st—Small Fruits. (Accompanied by Stereopticon Views). By Wilfrid Wheeler, Concord, Mass.

March 7th—Forestry. By Allen S. Peabody, Manchester, Mass.

March 21st—Vegetables. By W. N. Craig, of North Easton, Mass.

April 4th—Poultry. By Henry Moulton, Manchester, Mass.

April 18th—Fruit Under Glass. By Joseph Tillson, Beverly Farms, Mass.

May 2nd—Perennials. Name of speaker to be announced later.

May 16th—Greenhouse Flowering Plants. By George Stewart, Medford, Mass.

June 6th—Fungus, Edible and Poisonous Varieties. Name of speaker to be announced later.

June 20th—Landscape Gardening. Name of speaker to be announced later.

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5000 S. A. Nutt	} \$2.25 Per 100
500 Alphonse Ricard	
500 Beaute Poitevine	
1000 Mme. Salleroy	} 20.00 Per 1000
200 Rose Geraniums	
200 Ivy Geraniums	

300 Double Lobelia, \$2.00 per 100
500 Dracaena Indivisa, 3 inch pots, fine plants, \$5.00 per 100

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AUGUST RÖLKER & SONS

Import for the wholesale trade:
AZALEAS, PALMS, RHODODENDRONS,
BAYTREES, ROSES, LILACS, HOLLAND
AND JAPAN BULBS, LILY OF THE
VALLEY, ETC.

P. O. Box 752 or 31 Barclay St., NEW YORK!

CHILDS' GLADIOLI

are noted the world over for

SUPERIOR MERIT

John Lewis Childs
FLOWERFIELD, L. I., N. Y.

BEST PALMS

All Varieties. All Sizes.
Send for Price List.

Joseph Heacock
Wyncote, Pa.

XMAS**XXXX HOLLY****XMAS****\$5.00 PER CASE**

LAUREL WREATHS, per dozen.....	\$2.50
and up,	
LAUREL FESTOONING, per yard.....	.06
BOXWOOD WREATHS, per dozen.....	\$6.00 to 18.00
BRANCH LAUREL.....	.50
PRINCESS PINE FESTOONING, per 100 yards, made	
all round.....	8.00
DAGGER AND FANCY FERNS, per 1,000.....	1.25

LEUCOTHOE SPRAYS, per 1000.....	7.50
per 100.....	1.00
NEW CROP GALAX, Bronze, per 1,000.....	1.00
Green, per 1,000.....	1.00
GREEN AND VIOLET FOIL, best quality, per lb.....	.20
GREEN MAGNOLIA LEAVES, extra large hamper,	
per hamper.....	2.00
BRONZE MAGNOLIA LEAVES, per hamper.....	2.00

CUT BOXWOOD SPRAYS, Excellent Quality, \$15.00 per 100 pounds**IMMORTElLES, New Crop, Best Quality, All Colors****A Full Line of Florists' Supplies. All Kinds of Insecticides****Carnations of all the Best
Standard Varieties****ROSES****Am. Beauties
Killarney
Tafts
Wards****Hillingdons
Sunburst
Cardinals
Richmonds****Seasonable
CUT
FLOWERS****Lillies, Orchids, Gardenias
Lily of the Valley, Violets,
Adiantum, Asparagus. etc.****HENRY M. ROBINSON & CO., BOSTON, MASS.****15 Province Street and 9 Chapman Place****Telephones—Main 2617-2618. Fort Hill 25290****ALL ORDERS FILLED PROMPTLY, PROPERLY AND TO YOUR SATISFACTION****CLUB AND SOCIETY NOTES.**

The Yonkers (N. Y.) Horticultural Society held their annual meeting in Hollywood Inn on Friday, December 6th, Vice-President Francis Drexler occupying the chair, President Howard Nichols being absent owing to sickness in his family. He also withdrew his nomination for secretary for the ensuing year for the same reason, and the members accepted same with regret. Joseph Mooney was elected secretary. Louis Milliot exhibited Begonia La Patrie, not such a bright pink as the Lorraine, but lasts much longer in dwelling rooms. The bowling committee have secured alleys and have already got the balls rolling, and will soon be looking for challenges from the other horticultural bowling clubs. Practice nights every Thursday at 8 o'clock in the bowling alleys on Riverdale avenue. A committee was appointed to make arrangements and fix a date for the annual banquet. The next regular meeting will be held Friday, January 3, 1913.

W. MILLS, Cor. Sec'y.

The New York and New Jersey Association of Plant Growers had its annual meeting on December 3 at Kalil's Restaurant. Pursuant to a custom, which was adopted some time ago, dinner was served at 6 P. M. and after the tables were cleared, the meeting was held in the same room. Under the business transacted, was the resolution to give two cash prizes of \$25 each, to be awarded at the National Flower Show in New York; one for the best bed of 50 geraniums, and the other for the best bed of bedding plants, exclusive of geraniums, not

more than 50 in number and arranged for effect.

A resolution was also adopted requesting the secretary to communicate with the publicity committee of the New York Florists' Club, requesting that committee to endeavor to direct purchasers' attention to plants as well as to cut flowers.

Officers for the coming year were elected as follows: President, Louis Dupuy, Whitestone, L. I.; vice-president, John H. Fiesser, North Bergen, N. J.; treasurer, Hermann C. Steinhoff, W. Hoboken, N. J.; secretary, Wm. H. Siebrecht, Jr., New York; directors, Alfred L. Zeller, Brooklyn; Julius Roehrs, Rutherford, N. J.; H. Baumann, W. Hoboken, N. J.

TODAY.

Sure, this world is full of trouble—
I ain't said it ain't.
Lord, I've had enough and double
Reason for complaint.
Rain an' storm have come to fret me
Skies were often gray;
Thorns an' brambles have beset me
On the road—but, say,
Ain't it fine today!

What's the use of always weepin'
Makin' trouble last?
What's the use of always keepin'
Thinkin' of the past?
Each must have his tribulation—
Water with his wine.
Life it ain't no celebration.
Trouble? I've had mine—
But today is fine.

It's today that I am livin'
Not a month ago,
Havin', losin', takin', givin',
As time wills it so.
Yesterday a cloud of sorrow
Fell across the way;
It may rain again tomorrow,
It may rain—but, say,
Ain't it fine today!

—Detroit Free Press.

GARDENERS' REUNION.

On Wednesday, December 4, there was a Gardeners' Reunion at Thum's Bowling Alleys, New York City, this being the second annual event of the kind. Bowling was indulged in in the afternoon and dinner was served in the evening, six alleys having been set apart for the tournament. It was a very successful occasion, many leading members of the craft being present. The affair was under the management of "Jack" Everitt of Glen Cove and he did it well.

**Do You Know What
You Want?**

Look in the "Buyers' Directory" of this issue and you will probably find represented there somebody who can supply you. It's a good plan to look it over every week, for the weekly changes and additions are many.

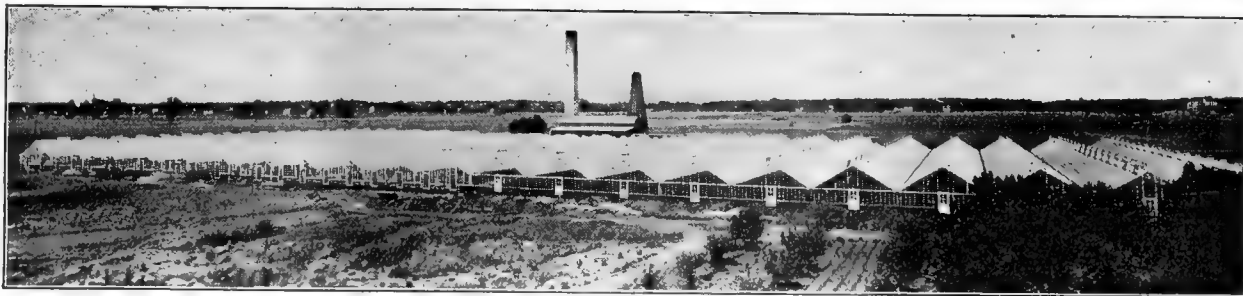
See ?

PETER REINBERG

30 EAST RANDOLPH ST., - CHICAGO, ILL.

Always fresh stock from a modern greenhouse plant containing two million feet of glass on N. Robey St., Chicago.

WE GROW ALL THE FLOWERS WE SELL



HOERBER BROS. GREENHOUSES AT DESPLAINES, ILL.

Newest of the large ranges near Chicago

ROSES, CARNATIONS, SWEET PEAS for CHRISTMAS

Salesroom at 162 N. Wabash Ave., and fresh stock ready to fill orders promptly at all times.

Try us and you will be a regular customer

HOERBER BROS. ¹⁶² N. WABASH AVE. CHICAGO, ILL.

E. H. HUNT, ^{131 N. WABASH AVE.} CHICAGO

THE OLDEST FLORISTS' SUPPLY HOUSE IN CHICAGO

WISHES YOU A MERRY CHRISTMAS

Do not forget our custom of making it an object to you to lay in a good stock of

FLORISTS' SUPPLIES

right after the holidays. ¶ We have long been Headquarters for Ribbons, etc.

Another Specialty in our
House is

TOBACINE { **IT KILLS BUGS**

WRITE FOR OUR CATALOG

A SHIPPING CENTRE

Albany, New York, is the logical distributing centre for a very large flower consuming section. Facilities for transportation, north, east, south and west are unexcelled, and when to this fact we add a first class supply and a thorough knowledge of the wholesale flower shipping trade, you can understand that

The Albany Cut Flower Exchange

is well equipped to fill a demand, much of which in the past has been indifferently cared for. So if you want

Flowers, Greens or Supplies for the Holidays or Any Other Time

the right place, the right goods, the right service at the right time, are now at your disposal. **Order Early** and you can include all the popular **Roses and Carnations, Lilies, Lily of the Valley** and other **Bulb Stock, Poinsettias, Violets, etc.**, also fine **Holly** and all **Christmas Greens**.

THOMAS TRACEY, Mgr. ALBANY, N.Y.

THE HUMORS OF THE PUBLICITY CAMPAIGN.

We have been very much entertained in attending the meetings of the committee of twenty appointed by the Florists' Club of Philadelphia to consider the matter of trade publicity. Of course, the committee itself grew out of the work in the same line started by our brothers in New York and from letters sent to our club by them.

Well, the committee of twenty was appointed by President Thilow and headed by Samuel S. Pennock, got to work. Then the fun began. Every one of the twenty had a different idea of what publicity meant and how to get it. A ten-volume, five-hundred-page cyclopaedia wouldn't be too large to cover the ideas advanced by the aforesaid twenty. For instance—one member said that all the newspapers of the country would be glad to print anything the committee might send them—and, not only that, but to pay for same as well.

Another member got howled down because he said that all editors sniffed suspiciously at free gifts and were accustomed to refer same to the advertising department—at space rates. What! reject educational truths like what we can give them instead of the buncombe they print and pay good money for? The idea!! Why, man, you're a fool! You don't know what you are talking about!

Our private opinion is that the movement is not on the right track. Advertising is a personal proposition and is not susceptible to community treatment, except in a limited way, such as the Holstein Club, the Ameri-

can Beauty Club, or something like that. To expect the Plymouth Rock Club or the Mushroom Growers' Club to pay the advertising bills of either of the aforesaid seems an absurdity. Yet that is practically what the new publicity campaign of the florists' trade means so far as we can see at present.

A few are asked to pay for advertising the many, and no thanks for it. either. G'wan! Wake up!

GEORGE C. WATSON.

Youngstown, O.—The greenhouses of John Walker at Thornton and Logan avenues, were damaged by a runaway trolley car on December 5. The car was coming down a grade and left the rails at a curve, crashing into the ends of the greenhouses.

PERSONAL.

Allen Gerling, formerly employed in Chicago, Ill., is now with the Spokane Florist Co., Spokane, Wash.

Benjamin Cull, formerly gardener on the Zabriskie estate, Newport, R. I., has gone to Galveston, Texas, where he will go into business for himself.

New York visitors: J. K. M. L. Farquhar, Boston; Thomas Roland, Nahant, Mass.; R. E. Loeben, Gloversville, N. Y.; H. Brown, Richmond, Va.

Boston visitors: Mrs. J. M. Gasser and Mrs. Bartels, Cleveland, Ohio; J. J. Karins, representing H. A. Dreer, Philadelphia, Pa.; Wm. H. Hay and Ed. Guernay, Montreal, Canada; J. Kopelman, Providence, R. I.

Cut Flowers for Christmas

With new store, centrally located; improved facilities; more growers; ample supplies of all staples in cut flowers, Messrs Berger Bros. solicit your orders for Christmas trade.

**ROSES
CARNATIONS**

**VIOLETS
VALLEY**

**ORCHIDS
GARDENIAS**

Everything in season. Long Experience. Careful, conscientious service



Note Our
New Address

BERGER BROS.,

**WHOLESALE
FLORIST**

**140 North
Thirteenth St.**

Philadelphia, Pa.

For Christmas and the Holidays

We are carrying absolutely the finest grade of Potted Plants and Decorative Stock ever offered by a wholesale Plant House in this city. Our splendid stocks will enable an inspection at one time of the product of practically all the important growers located within shipping distance of this city.

We Herewith Mention a Few Items We Are Offering :

BLOOMING PLANTS

Azaleas Poinsettias
Heathers Cyclamen
Begonia Gloire de Lorraine
Camellia Japonica, Oranges, Solanums and Ardisias finely fruited.

DECORATIVE STOCK

Pandanus Veitchii Araucarias
Cocos Weddelliana
Dracaena Terminalis
Phoenix Robelenii Ferns in Variety
Everything for filling Hampers

Call and Examine our Stocks. You will be convinced and purchase. There is nothing better than The Best, and we have it.

WOODROW & MARKETOS

Wholesale Plantsmen and Florists

41 West 28th Street, = = = = NEW YORK

Telephone 3860 Madison Square

ALL CHOICE STOCK

Carnations, American Beauty, and all the Tea Roses in choice quality for Holiday sales. Double Violets. Prices right.

M. C. FORD

Telephone
3870-3871 Madison Sq.

121 West 28th Street

NEW YORK

FLOWER GROWERS EVERYWHERE

If you want to give your product the advantage of the best market in the country consign it to New York and to the best equipped wholesale establishment in the city, that of

A. H. LANGJAHR, 130 W. 28th St., NEW YORK

FULL VALUE FOR GOOD STOCK AND PROMPT REMITTANCES ALWAYS

Telephone 4626-4627 Madison Square

FIRST PROCLAMATION HAVE YOU EVER HEARD

Of course not. But you hear it now and I want to impress it into 105. It's in the new florists' section, just west of Sixth Avenue, modious, convenient, abundant light and modern equipment.

Now About Orchids At 105

No florist can get along without Orchids, nowadays. I am still the largest dealer in Orchids in this country. Cattleya Trianae are now coming in fine and there will be a splendid variety for Christmas. Our selection also comprises at this season, Brasso-Cattleyas, Laeloi-Cattleyas, Laelias, Cypripediums, Vandas, Calanthes, Odontoglossums, Dendrobium formosum giganteum, Zygopetalums, Oncidiums and many others useful for rich finish and spray effect for Holiday Baskets.

For Your Orchids Send to 105

Telephone
759 Madison Square

JAMES
CATTLEYA HEADQUARTERS



FROM THE NEW STORE OF 105 WEST 28th STREET?

our memory. Just 105. And it's easy to remember. I have moved
and is a model headquarters for marketing flowers—ground floor, com-

105 for the General Flower Supply

Larger quarters and better facilities at our new place for handling all classes of cut flowers makes us able to give full satisfaction to growers of Roses, Carnations, Violets and any and all other favorites. As heretofore, Gardenias, Lily of the Valley, White and Yellow Daisies, Sweet Peas, Mignonette, Asparagus and Farleyense Ferns will continue to be daily specialties. Dealers needing a supply of any of the foregoing will be

Well Cared For at 105

McMANUS

FLOWERS FOR THE U. S.

105 W. 28th STREET
NEW YORK



DAYLIGHT STORE AND DAYLIGHT METHODS

Best lighted Wholesale Flower Mart in New York.
All stock first class and plenty of it for Christmas.

FULL SUPPLY OF ALL BULBOUS STOCK

Including splendid Freesias, Lilies and best Callas in
New York market.

SMILAX AND ASPARAGUS ARE SPECIALTIES

Asparagus sold here is *all fronds*—no cut up stuff.

PHILIP F. KESSLER

Coogan Building, 55 & 57 West 26th St., NEW YORK

No Guess Work In Our Methods

All goods are placed on show at the same time.
Having ample space we are enabled to do
this to great advantage.

Telephone 756 Madison Square

WRITE US TODAY

Consignment
Notes, Small Box
Slips and Shipping
Cards Free.

MOORE, HENTZ & NASH, 55-57 West 26th St., N.Y.
MOORE, HENTZ & NASH, 55-57 West 26th St., N.Y.

Commission
charges and other
valuable information
for the asking.

CHECKS WEEKLY

Each growers goods are sold separately. Every sale
large or small recorded in triplicate.
Advice of sale note sent out day following the
arrival of goods.

SPECIAL FOR THE HOLIDAYS LILAC

BOUVARDIA, MIGNONETTE, VIOLETS, SWEET PEAS, LILY OF THE VALLEY

Regular supplies of Roses, Carnations, etc., highest quality

WM. P. FORD, 107 West 28th Street NEW YORK

William Stuart Allen Co.

Commission Merchants in Cut Flowers

53 West 28th St., New York City

Correspondence Solicited

—THE GROWERS' CUT FLOWER CO.—

HENRY WESTON, President

JACOB BRACKER, Vice-President

C. F. BERTANZEL, Secretary

R. J. ROGERS, Treasurer

Roses, Chrysanthemums, Lilies, Orchids
Violets, Callas, Sweet Peas, Valley

FINEST POINSETTIAS AND CARNATIONS IN NEW YORK

EVERYTHING IN HOLIDAY FLOWERS

J. J. COAN, Manager

TELEPHONE 6237 Madison Square

111 WEST 28th STREET, NEW YORK CITY

CHARLES MILLANG

Street Floor, Coogan Building

55 and 57 West 26th Street, NEW YORK

Centrally Located. The Hub of the
Great Wholesale Cut Flower District

ALL FLOWERS. ANY QUANTITY. BOTTOM PRICES

Roses for the Christmas Holidays

BEAUTIES

We guarantee the quality to be equal to any that are offered in this market. The supply of our "Specials" is very large.

Killarney Maryland Richmond

They are in fine shape and at our prices good value. The Best have stems 30 inches long, and in all grades you can depend on us to get the best value to be had. **WHITE LILAC**, a desirable addition to your stock for the Holidays.

Boxwood, per 50 lb. crate, \$7.50

New Bronze Galax

THE LEO NIESSEN CO. Wholesale Florists
N. E. Cor. 12th and Race Sts. **Philadelphia**

THE BEST LETTERS

FOR
FLORIST'S
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST. BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

GEORGE B. HART

WHOLESALE FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati.

HOERBER BROS.

Wholesale Growers of
Cut Flowers

WE GROW BRIDES

Greenhouses at
Des Plaines, Ill.

162 N. Wabash Ave.

CHICAGO, ILL.

POEHLMANN BROS. CO.

Cut Flowers All the Year Round

33-35-37 RANDOLPH STREET,

Greenhouses, Morton Grove, Ill.

CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	CINCINNATI December 10	DETROIT December 10	BUFFALO December 10	PITTSBURGH December 10
Am. Beauty, Fancy and Special....	40.00 to 50.00	40.00 to 50.00	25.00 to 40.00	30.00 to 50.00
" " Extra.....	25.00 to 40.00	25.00 to 40.00	15.00 to 25.00	20.00 to 25.00
" " No. 1.....	15.00 to 25.00	15.00 to 25.00	10.00 to 15.00	10.00 to 15.00
" " Lower Grades.....	6.00 to 15.00	6.00 to 15.00	3.00 to 6.00	6.00 to 8.00
Killarney, Richmond, Maryland...	2.00 to 8.00	2.00 to 8.00	3.00 to 10.00	4.00 to 10.00
Bride, 'Maid, Hillingdon, Ward, Melody	2.00 to 8.00	2.00 to 8.00	3.00 to 6.00	4.00 to 10.00
Taft, Sunburst.....	.....	.....	4.00 to 10.00	4.00 to 10.00
Carnations.....	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	3.00 to 5.00
Cattleyas.....	..... to 50.00	..... to 50.00	50.00 to 60.00	50.00 to 75.00
Lilies, Longiflorum.....	8.00 to 12.50	8.00 to 12.50	10.00 to 12.50	10.00 to 12.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Paper White Narcissus.....	..... to 3.00	..... to 3.00	..... to 3.00	3.00 to 4.00
Stevia.....	..... to 1.50	..... to 1.50	..... to 1.00	1.00 to 1.50
Violets.....	.50 to 1.00	.50 to 1.00	.75 to 1.00	.75 to 1.00
Chrysanthemums, Fancy.....	12.50 to 25.00	12.50 to 25.00	12.00 to 20.00	..... to 20.00
" Ordinary.....	2.00 to 8.00	2.00 to 8.00	6.00 to 10.00	..... to 10.00
Daisies.....	..... to 1.00	..... to 1.00	..... to 1.00	1.00 to 2.00
Sweet Peas.....	.50 to 1.00	.50 to 1.00	.75 to 1.00	.75 to 1.50
Gardenias.....	..... to 1.00	..... to 1.00	..... to 1.50	1.00 to 1.25
Adiantum.....	..... to 12.50	..... to 12.50	..... to 15.00	..... to 15.00
Smilax.....	..... to 40.00	..... to 40.00	40.00 to 60.00	..... to 50.00
Asparagus Plumous, Strings (100).....	35.00 to 40.00	35.00 to 40.00	25.00 to 35.00	40.00 to 50.00
" " & Spreng. (100 bchs.).....	20.00 to 25.00	20.00 to 25.00	25.00 to 35.00	40.00 to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

CHICAGO CARNATION COMPANY

[A. T. PYFER, Manager]

30 East Randolph Street,

CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, CHICAGO

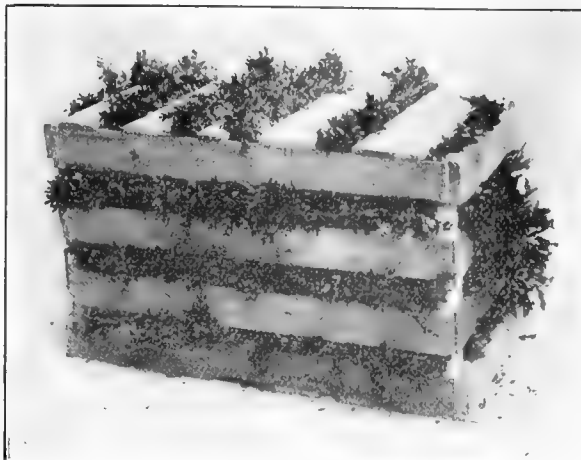
Flower Market Reports

BALTIMORE Chrysanthemums have at last made almost a complete exit and an unwonted emptiness is noticed everywhere. The result will doubtless be a good boost for the carnation which is already selling at figures rarely touched at this season and seldom exceeded at any season. The quality is noticeably good. With a continued rain and cloudiness for the last three or four days, there has been a little drawback on trade, but not so much as to be noticeable. Roses are not very plentiful and probably will not be until the holiday crop shows up. Normal values are still well maintained and lower prices are not looked for in the near future. Lily of the valley runs fair, while violets are uncertain and fluctuating and prices sag. Paper White narcissi are looking good, although there are a very few as yet. The demand for orchids is very good; also stevia is in great demand for design work.

BOSTON The marked features of this market at the present time are the scarcity of carnations and the unpopularity of the double violets. We hesitate to say much about the prospective scarcity of carnations for the holidays and in so doing tempt any carnation grower to hoard up his blooms in anticipation of a phenomenal price at Christmas. Don't do it, for no matter how scarce they may be you cannot sell cold storage carnations. The trade buyers know the goods and you can't fool them. Stored carnations will be almost a dead loss to the grower who indulges in this game. Double violets are in bad odor in the Boston market. The single violet is the popular favorite here and sells all over and all around the double fellow. Lily of the valley is enjoying a good market and the same would be true of sweet peas provided there were enough of them to make a showing, but the truth is that they are far less in number than they were last year at same date. Orchids in fair supply and demand. Last but not least—the roses; Beauty is in good quality but none too plenty; other roses have been very poor but they are responding to the bright frosty air now prevailing and will be in normal supply and grand shape for Christmas if the snappy clear weather continues. That's all, for this time.

BUFFALO The chrysanthemum season being practically at its end, the demand has fallen on other material and consequently there is a shortage on some lines, especially carnations which have at no time during the season been so short in supply. Again, roses have shortened in supply, especially the short grades, which leaves the merchant who has a larger trade in the floral piece line short of stock suitable for this work. The Thanksgiving Day business was good; in fact, no better has been had, and chrysanthemums which are at their best were sold up complete, and there was very little of anything to be had the day following. Roses were in fair supply but carnations were scarce. Other stock sold well. Holly and decorative greens are gradually coming into demand and the trade is getting in readiness for the holiday rush.

CHRISTMAS SPECIAL



We offer below a few items you want at once in your Christmas preparations. For our full and complete offerings in plants, greens, ribbons and supplies.

SEND FOR OUR SPECIAL CHRISTMAS LIST.

BOXWOOD SPRAYS

New crop now in. Fresh, dark green, glossy and in perfect condition. Our stock is all usable. No surplus wood.
Per case of 50 lbs., \$7.50.

LYCOPodium

Now is the time to place your order as the price is bound to advance when the snow reaches the deep woods. Last year it was impossible to furnish late in the season.

\$10.00 per 100 lbs. (Price variable. Wire for firm offer.)

Lycopodium Wreathing \$10.00 per 100 yards.

WINDOW BOX SPECIAL

Retinosporas, Thujas, Spruces, Boxwoods and other sturdy little evergreens; \$4.00, \$5.00, \$6.00 doz.

CEDAR BARK

For covering window boxes and for general rustic work indoors and out. Bundles of about 25 sq. feet, \$1.00 each; \$10.00 per doz.

HOLLY WREATHS

Of the very best holly; made full, with plenty of berries, \$17.50 per 100; large, \$20.00 and \$25.00 per 100. Case Holly, \$5.00 per case. Mistletoe, \$5.00 per basket (½ bush.). \$12.50 per case.

Open all day Sunday, Dec. 22. Closed Christmas day at noon

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA
1608-1820 Ludlow St.

NEW YORK
117 West 28th St.

WASHINGTON
1216 H St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON December 12		CHICAGO December 10		ST. LOUIS December 10		PHILA December 3	
ROSES								
Am. Beauty, Fancy and Special....	35.00	to 50.00	40.00	to 60.00	30.00	to 50.00	30.00	to 35.00
" " Extra.....	20.00	to 30.00	25.00	to 40.00	20.00	to 25.00	20.00	to 25.00
" " No. 1.....	10.00	to 15.00	20.00	to 25.00	12.00	to 15.00	15.00	to 18.00
" " Lower Grades.....	5.00	to 10.00	10.00	to 20.00	4.00	to 15.00	8.00	to 12.00
Killarney, Richmond, Maryland....	2.00	to 8.00	5.00	to 10.00	4.00	to 10.00	4.00	to 10.00
Bride, Marl.....	1.00	to 4.00	5.00	to 10.00	5.00	to 6.00	4.00	to 8.00
Hillingdon, Ward, Melly.....	2.00	to 8.00	5.00	to 10.00	4.00	to 10.00	5.00	to 1.00
Taft, Sunburst.....	2.00	to 10.00	5.00	to 13.00	4.00	to 1.00	6.00	to 1.00
Carnations.....	2.00	to 5.00	4.00	to 5.00	3.00	to 6.00	3.00	to 5.00
Cattleyas.....	40.00	to 50.00	40.00	to 75.00	50.00	to 100.00	0.00	to 75.00
Lilies, Longiflorum.....	6.00	to 10.00	8.00	to 12.00	12.00	to 1.00	10.00	to 1.00
Lily of the Valley.....	2.00	to 1.00	1.00	to 4.00	2.00	to 4.00	3.00	to 4.00
Paper White Narcissus.....	2.00	to 2.00	3.00	to 4.00	3.00	to 4.00	2.00	to 3.00
Stevia.....	1.00	to 1.50	75.00	to 1.50	1.00	to 1.00	1.00	to 1.00
Violets.....	5.00	to .75	50.00	to 1.25	.60	to 1.00	1.00	to 2.50
Chrysanthemums, Fancy.....	26.00	to 25.00	1.00	to 1.00	10.00	to 15.00	1.00	to 25.00
" " Of the Valley.....	4.00	to 8.00	.....	to	5.00	to 8.00	10.00	to 1.00
Daisies.....	.....	to 1.00	.....	to .....	.....	to	1.00	to 1.00
Sweet Peas.....	.....	to 1.00	.....	to 1.00	.....	to .75	.....	to 1.50
Gardenias.....	15.00	to 5.00	5.00	to 50.00	.....	to 20.00	20.00	to 30.00
Adiantum.....	.....	to 1.00	1.00	to 1.50	1.00	to 1.00	1.00	to 1.50
Smilax.....	1.00	to 15.00	15.00	to 20.00	1.00	to 15.00	1.00	to 1.00
Asparagus Plumosus, Strings (100).....	.....	to 50.00	40.00	to 60.00	.....	to 50.00	75.00	to 5.00
" " & S. C. (100).....	25.00	to 50.00	45.00	to 50.00	.....	to 12.00	.....	to 2.00

CHICAGO In general, the demand is very good for all flowers that are well grown, and as there is very little poor-

ly grown stock seen now, the wholesalers dispose of practically everything each day. American Beauties

(Continued on 1)

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ROSES AND CARNATIONS	Last Half of Week ending Dec. 7 1912		First Half of Week beginning Dec. 9 1912	
American Beauty, Fancy and Special	30.00	to 50.00	30.00	to 50.00
" " Extra	15.00	to 30.00	15.00	to 30.00
" " No. 1	6.00	to 12.00	6.00	to 12.00
" " Lower Grades	1.00	to 6.00	1.00	to 6.00
Killarney, Richmond, Maryland	2.00	to 12.00	2.00	to 12.00
Bride, Maid	3.00	to 6.00	3.00	to 6.00
Hillingdon, Ward, Melody	2.00	to 12.00	2.00	to 12.00
Taft, Sunburst	3.00	to 12.00	3.00	to 12.00
Carnations	3.00	to 6.00	3.00	to 6.00

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Special Attention to the Shipping Trade

Flower Market Reports

(Continued from page 833)

are not so abundant as usual in December and the cut is not expected to be very heavy for Christmas. Richmond roses are being anxiously watched as the holidays near, as their great rivals, the red carnations, are going to be very scarce and prices on them will be so high that the demand for red roses will be greater than usual. Very few, if any, chrysanthemums will be left in another week and there is a feeling of relief when the big favorites are gone for another year. Lily of the valley is said by the largest growers to be in fine quality and selling well. The continued scarcity of carnations is greatly to be regretted at this time and it is predicted that the situation will be unchanged for several weeks. Violets are now coming regularly and of first quality. A good supply of Killarneys, some Brides and a few of the newer roses will keep the market supplied for the holidays.

The warm, clear, bright weather has brought out a heavy cut of flowers that could not be utilized by the market. Many of the blooms, too, were rather soft. There was a drop in most prices and the market proved to be easy on almost every flower. Carnations, single violets and sweet peas alone cleaned up in proper style and it is possible that more of each might have been used. This statement applies particularly to sweet peas. Roses are in a large supply, the red and pink selling much better than the white. Of this last named Brides are moving the best. The last of the chrysanthemums are good and stems good, but they could not very well be held on the stalks. The varieties include mostly white and yellow Chadwick, Jones and Nonin, double violets. Lily of the valley and orchids move tolerably well. Fair demand for giganteum lilies and callas.

Another very busy week is behind us but this coming week has no elaborate work in sight. This gives all a chance to look after the many details which cannot be done when the holiday rush is upon us and not doing them means accumulating untoward difficulties and consequent loss of business. A very serious holiday question faces the local retailers through scarcity of carnations. There is no relief in sight from local growers and out-of-town stock is either scarce or of poor quality. Chrysanthemums, of course, are gone; what there is, is of very poor quality and not at all reliable as to lasting quality. The supply of pot plants for the holidays seems to be very good. Ardisias, azalea, cyclamen and poinsettia pans are all plentiful and very fine.

The dull conditions reported last week still continue in the wholesale district, but fortunately there is not a very heavy crop coming in and chrysanthemums being now few and far between no great accumulation of anything is to be seen. Carnations are really scarce and promise to be so for some time to come. They, as well as all the roses except Beauty, show the invigorating effect of the re-

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MISCELLANEOUS

	Last Half of Week ending Dec. 7 1912		First Half of Week beginning Dec. 9 1912	
Cattleyas.....	25.00	to 50.00	25.00	to 50.00
Lilies, Longiflorum.....	6.00	to 10.00	6.00	to 10.00
Lily of the Valley.....	2.00	to 5.00	2.00	to 5.00
Paper White Narcissus.....	1.50	to 2.00	1.50	to 2.00
Stevia.....	1.00	to 1.50	1.00	to 1.50
Violets.....	.50	to 1.00	.50	to 1.00
Chrysanthemums, Fancy.....	12.00	to 30.00	12.00	to 30.00
Ordinary.....	2.00	to 6.00	2.00	to 6.00
Daisies.....	.50	to 1.50	.50	to 1.50
Sweet Peas.....	1.00	to 2.00	1.00	to 2.00
Mignonette.....	3.00	to 6.00	3.00	to 6.00
Gardenias.....	16.00	to 35.00	16.00	to 35.00
Adiantum.....	.....	to 1.00	.....	to 1.00
Smilax.....	6.00	to 12.00	6.00	to 12.00
Asparagus Plumosus, strings (per 100).....	.....	to 20.00	.....	to 20.00
& Spreng. (100 bunches).....	8.00	to 25.00	8.00	to 25.00

cent unseasonably warm weather—the roses opened wide and devoid of color, the carnations closed up and bedraggled. On Monday morning a little surprise was sprung on the shippers in the shape of a decided fall in the temperature and consequently quite a lot of stuff came to the wholesalers frozen up. Bulb stock is beginning to assert itself, there being paper white and trumpet narcissi and Roman hyacinths in addition to the regular staples. There are plenty of violets and the orchid supply is sufficient, Cattleya Trianae taking the lead.

Philadelphia generally were on the scarce side last week. If there had been much business it would have been impossible to fill orders at any price. Values stiffened all along the line and while they are still lower than they were this time a year ago, on many things, the prospects seem good at this writing for a move up to last year's general average for the holiday trade. We see no disposition to boost prices unduly. The idea seems to be rather to take care of regular customers at as moderate a price as possible and let the transients who only come to the regular markets in times of famine, take care of themselves. It has been these transients who have always come along only at holiday time who have sent prices sky-high—which has been bad for the general health of the business—any way it is so looked at. Now that the growers and their agents the commission men have seen the disastrous effects from bitter experience in past years, they are showing their wisdom in the policy of taking care of their regular customers first. They

may lose a few immediate cents but they will be in dollars in the long run. So we look for no phenomenal prices this Christmas. The transients will get a polite cold shoulder: "Very sorry; but we are quite sold up on these"; and there will be no insane jumps in prices. The plant men will have their legitimate share of the market, which they are thoroughly entitled to; but they won't quite have it all to themselves as has happened a few in history!

Business during the past week was considerably better than it has been for some time. The commencement of the society season is materially increasing the demand for all cut flowers. The supply of first-class carnations is insufficient at the present time to meet all calls and the same may be said of single violets and yellow roses. Orchids are over plentiful. Chrysanthemums are practically at an end. Seen in the market during the past week were poinsettias, lupins, snapdragons and sweet peas in all colors, and potted poinsettias, azaleas, begonias, cyclamen and other Christmas plants.

The market the past week was in good condition and had plenty of stock for the demand.

Chrysanthemums are going fast and very few good ones are coming in now. Roses are selling better and the demand is quite good for all varieties and grades. Carnations, too, sell well at good prices. Of the other flowers that go to make up this market receipts are satisfactory. Violets are in heavy demand and scarce.

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WASHINGTON NOTES.

Maurice Linder and John Gutman are making various improvements to their houses at Congress Heights, D. C.

Mark Ruck, formerly with I. V. Marvin of Wilkesbarre, Pa., and at one

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Allan.

Corinthian, Boston-Glasgow...Dec. 19

American.

St. Louis, N. Y.-S'hampton...Dec. 21
Philadelphia, N. Y.-S'h'mpt'n...Dec. 28

Cunard.

Mauretania, N. Y.-Liverpool...Dec. 17
Carpattia, Boston-Liverpool...Dec. 21
Lusitania, N. Y.-Liverpool...Dec. 24

Hamburg-American.

Pennsylvania, N. Y.-H'mb'rg...Dec. 21
Pres. Lincoln, N. Y.-H'mb'rg...Dec. 28

Holland-America.

Noordam, N. Y.-Rotterdam...Dec. 17

North German Lloyd.

Barbarossa, N. Y.-Bremen...Dec. 19
Gr. Kurfuerst, N. Y.-Br'm'n...Dec. 21

Red Star.

Finland, N. Y.-Antwerp...Dec. 18
Vaderland, N. Y.-Antwerp...Dec. 25

White Star.

Arabic, Boston-Liverpool...Dec. 17
Baltic, N. Y.-Liverpool...Dec. 19
Olympic, N. Y.-S'hampton...Dec. 21

time with Stumpp of New York, is now with Z. D. Blackistone.

J. H. Small & Sons were the decorators for the annual dinner of the Gridiron Club given at the Hotel Willard on Saturday evening last. The decorations were exceptionally elaborate. The four walls of the large ball room on the tenth floor were covered with southern smilax and palms and the bay windows were banked with palms, ferns, white chrysanthemums and potted poinsettias. The table decorations consisted of white, pink and American Beauty roses and five gridiron designs done in white cape flowers and red and blue immortelles, forming the national colors.

Visitors: S. S. Pennock, Phila.; Mr. Feast, Baltimore; Mr. and Mrs. Rigby, New York; Robert Schock, with M. Rice & Co., Phila.; Arthur Niessen, with Leo Niessen & Co., Phila.; and Adolph Muller, of Norristown, Pa.

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Albany, N. Y.—The Rosery, 70 Maiden
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Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Ed. MacMulkin, 191 Boylston St.
Boston—Penn, the Florist, 37-43 Brom-
field St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Philip L. Carbone, 342 Boylston
St.

Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.

Detroit, Mich.—Florists' Telegraph De-
livery Association.

Kansas City, Mo.—Samuel Murray, 912
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Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South
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Rochester, N. Y.—J. B. Keller Sons, 25
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Toronto, Can.—J. H. Dunlop, 96 Yonge
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Washington, D. C.—Gude Bros., 1214 F
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Washington, D. C.—F. H. Kramer, 915
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Wellesley, Mass.—Tailby.
Worcester, Mass.—H. F. A. Lange.

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Scranton, Pa.—Davis Floral Co., 526
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17 Lawrence street.

New York, N. Y.—Charles F. Law-
rence, 344 Columbus avenue.

Houston, Texas.—Forestdale Nurs-
ery, Main street and Walker avenue.

Racine, Wis.—Jos. Rehl opened a
retail store, Dec. 10th, with C. L.
Achenbach, who was formerly with C.
Frauenfelder of Chicago, as manager.

James McManus, wholesale florist,
has moved from 55 to 105 West 28th
street, New York. This adds one more
to the large number of wholesale es-
tablishments in the block west of sixth
avenue. Mr. McManus' store is very
commodious and well lighted and is
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CHICAGO NOTES.

J. J. and A. H. Budlong are both back from their recent trips for the benefit of their health and the cares of Phil. Schupp will be lightened.

The chary way in which carnation plants have yielded their blooms this year is attributed by some to the extreme heat in September following a cool summer.

The National Wholesale Florists' Credit Association held another meeting Dec. 10 for further perfection of plans. It seems to be regarded as a necessity and meets with the approval of that branch of the trade.

The Chicago Carnation Co. announce an excursion, free to their friends and customers, Dec. 18, to see the Herald carnation growing at their plant at Joliet. Trains leave La Salle street depot at 11.45 over the Rock Island.

A recent wind storm did some damage to the greenhouse plant of Jos. Brooks at Morton Grove. A small shed in process of construction was carried up into the air and dropped upon the glass. As the night was very cold quick work in repairing was necessary.

Miss Elsie Schuneman, daughter of the lost Capt. Schuneman, is making up wreaths from the Christmas greens washed ashore from the wreck of her father's schooner and selling them with the trees that were also saved, at her father's old position at the Clark street bridge.

South Water street is the dumping ground for all grades of holly, and with a large proportion of the poorer

quality selling this week for \$2.50 per box. The better grades, handled more by the wholesale florists, bring \$4.50, and so far are averaging good in color and well berried.

The report that the Rouse Simmons, the Christmas tree schooner, had remained in port till after the storm, as stated in last week's issue, proved untrue, and all hope is abandoned. Capt. Scheuneman will be missed by many in Chicago, where he has yearly disposed of his cargo of trees, which this year are being washed up on the northern shore of Lake Michigan, mute evidence of the fate of the crew.

The Land Show, which has been at the Coliseum the past two weeks, represented every part of the country and was well attended. The government exhibits were very instructive and those wishing information on irrigation, soil, etc., had an excellent opportunity. The products of the states, especially those of the south and west, were attractively arranged and appealed strongly to those seeking new fields.

Visitors—E. G. Hill, Richmond, Ind.; Raymond P. Kester, Indianapolis, Ind.; H. Philpott, Winnipeg, Man.; A. M. Augspurger, Peoria, Ill.; Arthur R. Leidiger, of Edlefsen, Leidiger Co., Milwaukee, Wis.; P. N. Obertin, Kenosha, Wis.; A. C. Reicher, Michigan City, Ind.; Mr. and Mrs. Arthur Schutz, Hammond, Ind.; C. L. Achenback, Racine, Wis.; C. B. Kulekman, representing McHutchinson Co., N. Y.; Lewis Turner, Kenosha, Wis.; J. M. Hoffman, La Porte, Ind.

CINCINNATI NOTES.

J. M. McCullough Sons Co.'s force is plunging into the early holiday business in the way they were wont to do in past years.

Mrs. Vincent is accompanying her husband on the trip. John Evans, of Richmond, Ind., came to the city with Mr. and Mrs. Vincent. Other visitors were Frank Farney, of M. Rice & Co., Philadelphia, and Gustave Reiniger, Dayton, O.

The banquet last Monday evening was an unqualified success and the committee in charge are to be congratulated on the results of their efforts. R. Vincent, Jr.'s, enthusiastic talk on the S. A. F. and the International Flower Show, Holland Bulb Fields and Homes—last three illustrated with stereopticon pictures—were interesting and instructive and were enjoyed by all present. Miss McNally, Miss Weber and Frank Volz rendered vocal selections. Miss Ida Peterson played the accompaniment for Mr. Voltz. Gus Adrian, president of the local society, for, and on behalf of the society, welcomed the guests and presented Chas. H. Hoffmeister the toastmaster for the evening.

Among the indictments returned by the Norfolk Grand Jury in its report at Dedham, Mass., there is one against Albert H. Woods, the Brookline florist, who shot and killed Thomas Goldrop on September 18, 1912, while the latter was leaving his premises after having taken some violets.

SAMUEL MURRAY

913 GRAND AVE.

KANSAS CITY, MO.

Member of the Florists' Telegraph Delivery

**Holiday Orders For Delivery of Flowers,
Designs or Choice Plants
Given Prompt and Careful Attention**

A VISIT TO CRAIG'S.

With their seventy-five thousand square feet at 49th and Market streets and their one hundred thousand square feet at Norwood, Craig's are this year more than ever before equipped to hold their recognized lead in the production of plants in bloom for Christmas. It is a toss-up which is the leader in this class of plants; but there are three which might be said to almost run neck-and-neck—namely, Lorraine begonia, poinsettia and azalea. Many houses at the 49th street place are devoted to these and they are supplemented daily from the great stocks at Norwood. Robert, Jr., tells us they have been shipping constantly since Thanksgiving and that they expect to work all hands 18 hours a day from now till Christmas. One of their greatest novelties this year is made up combinations in birch bark with rattan—oblong, square, octagon, all shapes and sizes—and beautifully arranged and harmonized. These are selling fast and the only trouble is to get enough of them. One great point to their popularity is the economy in freight and labor over the old method of shipping the plants to the florists and letting them make them up themselves. We have never seen poinsettias better done. They have short plants not over six inches high with well developed bracts of good diameter, three in a pan with *A. plumosus*; daintiest and brightest thing imaginable; and others grown differently—a foot high, two feet high, and so on. Lorraines are as fine here as ever; the Lonsdale light pink (the great keeper); the Cincinnati Glory with its large petals and bright color; the Norwood, dwarf and compact—just

FOUR GENERATIONS OF BAYERSDORFERS.



The accompanying picture shows one of those rare family gatherings which, when possible, add so much of affectionate pathos to the lives of all who are so fortunate as to participate in them. Four generations all in full enjoyment of their faculties is some-

thing that but few of us can indulge in and we know that all our readers will join with us in wishing our genial friend, Harry Bayersdorfer, and his wife many annual returns of the day in which fathers and mothers, daughter and husband and grandchild can join them in loving family reunion.

the thing for made-up baskets, and you can't shake the petals off. Madame Petrick seems to be the main idea in azaleas, with *Vervaeneana* a fair second. Acres of crotons, garden-

ias, dracaenas, pandanus, and such. As for *Nephrolepis*; as Robert Junior remarks: "We have Heinz and his 57 varieties lashed to the mast, when it comes to the *Nephrolepis*." G. C. W.

HART MAKES HANDLES FOR POTS

With Paper or Porto Rican Mats They Make Baskets. These are the Well-Known HART'S HANDY HANDLES.

Shipments are being made now for Holiday use eastward to Boston, westward to San Francisco—and everywhere else. Once used, always used, because they are SO HANDY.

**Prices per dozen—No. 1, \$2.50; No. 2, \$3.50; No. 3, \$4.00;
No. 4, \$5.00; No. 5, \$6.00.**

GEORGE B. HART, 24 Stone St., Rochester, N.Y.



Wholesale and Retail Florists

You both will profit by using McCray Refrigerators. Don't cut down prices because of spoilage. Stop the spoilage. Our patented refrigeration will keep your stock fresh because of the perfect circulation of cold, dry air.

McCray Refrigerators

Are made not only in stock sizes but are built-to-order to suit your requirements. Write to-day for our Free Catalog No. 72 which will give you ideas to help you add to the attractiveness of your establishment.

McCRAY REFRIGERATOR CO.

Chicago Office, 55 Wabash Ave.
New York Office, 231 West 42nd St.

553 Lake St., Kendallville, Ind.

A VISIT TO MANHEIM, PA.

The Lancaster County Florists' Club made its first official visitation to this historic borough Nov. 30. Those who went were: Rudolph Nagle, chairman of the visiting committee, Harry Rohrer, Lemon Landis, Albert M. Herr, Abraham Rohrer, F. Spinner, David D. Shultz, Jacob Fleer and last but not least Frank Bachler. In addition to these from Lancaster we had B. J. Wiggins of New York,

W. R. Denlinger of Vintage, Amos Rohrer of Strasburg, H. B. Weaver of Bird-in-hand, Elmer Weaver of Rancks, James Brown of Coatsville, and John Toland of Sadsburyville, also Henry Ginder and Benj. Wike.

Calls were made at the establishments of Munroe H. Hostetter, Pah-raes Hostetter and E. P. Hostetter. They all grow sweet peas, snapdragons, carnations and baby primroses for the wholesale market. The quality of the stock was high for sweet peas, fair for carnations and high for the other stock, grown at E. P. the largest of the three places, his smaller houses being 200 feet long. Three houses are devoted to Asparagus Sprengerii and one to plumosus sprays, one to mignonette, a number to carnations, peas and snapdragons. His 400 foot King-Construction house was an eye opener to some of the visitors.

A fine lunch was given by the three Hostetters and their wives, assisted by Mrs. Burkholder and Miss Florey. After a few speeches, back to Lancaster was the song and the first visit was pronounced a success by every one lucky enough to be with us.

ALBERT M. HERR.

PHILADELPHIA NOTES.

This office is in receipt of a spray of white heather from Frank M. Ross, with his compliments. We presume this is to wish us good luck—the white heather being par excellence the emblem. There is the usual good display in the florists' stores of pink and white ericas—and these meet with an eager demand from the more refined among the buyers—those who are acquainted with the historical and sentimental significance.

Visitors: Miss Schultheis, Scranton, Pa.; Mrs. Lou Dundore Moore, Lancaster, Pa.; Mr. and Mrs. John Giles, Reading, Pa.; Charles Vorkeller, South Bethlehem, Pa.; Mrs. Minnie Haines Weber, Bethlehem, Pa.; Mr. Ballinger, manager Broadway Floral Co., South Bethlehem, Pa.; P. Joseph Lynch, New Castle, Indiana.

CATALOGUE RECEIVED.

Berrydale Experiment Gardens, Holland, Mich.—An attractive catalogue of small fruits. Cover illustrated in colors; subject, Macatawa Blackberries.

EVER READY POT COVER



The modern way of artistically decorating unsightly clay flower pots. Makes plants sell better as they are artistic and attractive. Inexpensive, durable and instantly applied.

Made in four colors and many sizes. Sample will be sent on receipt of 10c.

Ever Ready Flower Pot Cover Co.

146 HUGHES AVE., BUFFALO, N. Y.

HAVE YOU TRIED THE NEW Christmas Decorative Grass

It's the only kind to make your Christmas Wreaths and other designs attractive. They make them ready sellers and good profit yielders. Prepared under New Methods. Called the **ARTISTIC VELOUR GRASSES**

STATICE VELOURED in all good flower shades
—Pink, Lavender, Purple, Red, Dark Lavender,
Blue.

VELOURED ADIANTUM, Red and Green.

VELOURED RUSCUS, only in Red.

RED ARAUCARIA, in Red.

RED MINERVA (Red Heather).

RED BELLS.

POINSETTIAS.

RED ASPARAGUS ACUTIFOLIA and other colors.

RED ADIANTUM.

RED IMMORTELLE WREATHS.

RED CYCAS LEAVES.

RED CYCAS WREATHS.

RED MATS.

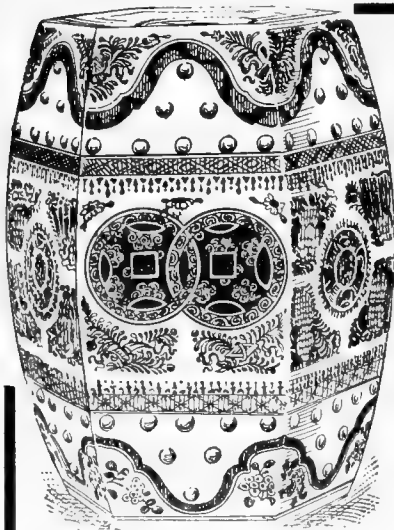
RED CREPE, pleated

RED, WATER-PROOF } Other colors if desired.

H. BAYERSDORFER & CO.

**THE FLORISTS' SUPPLY
HOUSE OF AMERICA**

1129 ARCH STREET - - - PHILADELPHIA, PA.



Canton China Hall-Seat or Plant
Pot Stand.

Our stock of China and Glass occupies ten floors and more than 9,000 bins including everything in this line pertaining to the Home, Hotels, Clubs, Public Institutions, etc.

Wholesale and Retail

Jones, McDuffee & Stratton Co.

Crockery, China and Glass Merchants

33 Franklin, cor. Hawley Sts., Boston, Mass.

Plant Pots and Pedestals

We invite the attention of intending buyers, or those interested in seeing the newest productions of the potters' art, to our importations of English, French, German, Japanese and Chinese **Plant Pots** or **Jardinières**, selected by our buyers at the places of production in the present season.

They include all sizes and shapes up to the large and very large, from the lowest price up to \$150.00 each.

Dinner Ware. On the 3d and 4th floors will be found an unequalled exhibit of **Dinner Sets** all values from the inexpensive upwards. Superb designs of **Fish Sets** and **Game Sets**.

CANTON CHINA PLANT-POT.



OBITUARY.

Peter Lauch.

Peter Lauch, a retired florist of Pittsburgh, Pa., died recently in his eighty-second year. He leaves three sons and two daughters.

Lee H. Bradley.

Lee H. Bradley, who for many years ran the florist business now conducted by his son, Smith T. Bradley, at 133 Grand avenue, New Haven, Conn., died suddenly of heart disease on December 6, aged 76 years. He leaves a wife and one son.

Walter Hart.

On November 25, Walter Hart, florist, of Pontiac, Mich., died, aged 79 years. He was a native of England, but came to the United States with his parents while quite young. He was first engaged as gardener and then entered business for himself. His wife and four children survive him.

Charles B. J. Noelke.

On December 6, Charles B. J. Noelke, florist, Seventh avenue and 131st street, New York, N. Y., died after a short illness with pneumonia. He had conducted his store for fifteen years and was well-known and liked. He was particularly interested in schools. Mr. Noelke was 62 years of age and leaves a widow.

Peter Kunst.

Peter Kunst, proprietor of the Crescent Avenue Floral Co., Grand Rapids, Mich., died on November 26, aged 75 years. Mr. Kunst began the business in 1875, his two sons later becoming associated with him. He came from the Netherlands and settled in Grand Rapids in 1865. He is survived by his wife, four sons and one daughter.

Francis Fillmore.

Francis Fillmore, aged 87, passed away at St. Mary's Hospital, St. Louis, on Friday, Dec. 6. His death was caused by an accident a week ago which broke his leg. He was the father of F. J. Fillmore, the well-known St. Louis florist. The funeral took place on Monday and the trade generally attended and extended their sympathy to the bereaved family. Mr. Fillmore was born at Wimbleton, England, in 1825 and came to this country in 1870.

Mrs. Anna Marie Schultz.

Mrs. Anna Marie Schultz passed away at her late residence 2927 23rd street, Northeast, Washington, D. C., on December 2, at the age of 73 years. She was a well known figure in this city having been connected with the business for half a century. At one time she and her husband were located on the north side of D street, near Seventh street, Northwest, where they had greenhouses, later taking a stand in the old Centre Market shed. Mrs. Schultz suffered the loss of her son in Philadelphia last month which proved quite a shock to her. She was the widow of the late Charles L. Schultz. Her son, Charles, is continuing the business at the Centre Market.

AUTO DELIVERY

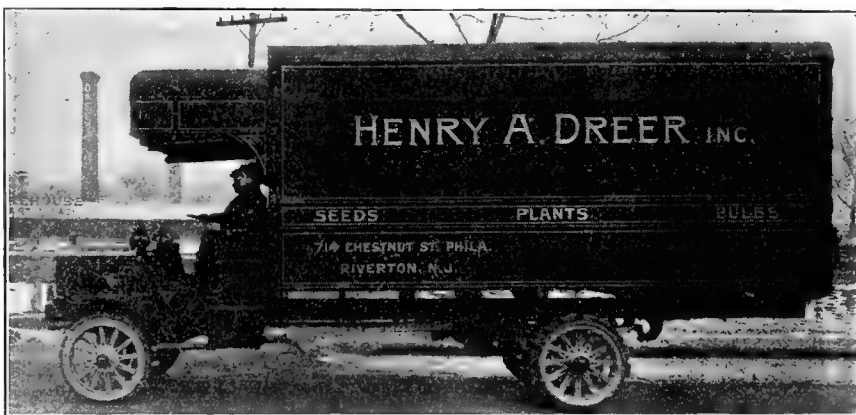


Henry A. Dreer sends us photographs of the vans used in the auto delivery system recently adopted by that house. As many of our readers are, no doubt, contemplating the substituting of autos for horse service, the following notes from Dreer's will prove interesting:

"Last winter we laid the foundation of this system by installing a three-

are received from customers residing in the city and nearby suburban towns.

"The present 'Dreer Delivery System' consists of one three-ton Packard van, which is automatically heated during cold weather; one three-ton Packard truck with tarpaulin sides and one two-ton Autocar, all of which are efficiently handled by men who formerly had charge of our horse-drawn vehicles.



ton Packard van and soon learned that this is the ideal manner of handling such large quantities of goods as must be moved quickly during the busy season. With these auto trucks we not only make quick delivery to railroad and steamship companies of orders for shipment to customers living at a distance, but are also enabled to quickly deliver the orders which

"Besides the great advantage of quick service, this 'Auto System' together with a complete telephone service, brings us in such close communication with the nurseries nine miles distant, that we are now enabled to conduct our seed and plant business in as satisfactory a manner as would be the case were they under the same roof."



Seed Trade

Baltimore Analyzed.

Amadis tells me I should forget it, and adds, "You'll only get yourself disliked." "True, Oh sage," is my reply, "but I have so many dear friends in that old town—who have stood by me through thick and thin—both in a business and social way these past thirty years, that I feel impelled to be the disinterested friend of the family and say things."

"Ha, Ha!" says Amadis, "I see your finish!" Which brash remark—while making me more careful—in no way detracts from the sincerity of anything I may have to say about My Maryland. She has such a glorious history behind her and such a splendid future that the candid visitor and friend fears nothing of favor here or hereafter in telling his impressions. The outsider sees things so much clearer than the native that it really is a service to give the impressions candidly and truthfully.

The wholesale seed trade of Baltimore—say what you will—is the peer of them all. Clean cut, shrewd, far-seeing men, as were their fathers before them, and their hold on the Atlantic seaboard trade is impressive and convincing. One may ask why Philadelphia, New York or Boston should not lead in this trade. To our mind the sole answer is "the man." The breed was there and still remains—and with it the trade. That's mainly why Baltimore is such a big factor in the wholesale seed trade of America.

And there are signs of the younger generation of the retail seedsmen of Baltimore taking their true place in the near future. I have met many of the younger men in that line of late and look for big things within the next few years. The old ramshackle chaos of the "front shop" is going to disappear and wide, roomy, clean, orderly, daylight system and scientific arrangement is going to emerge. The leaven is working now and before long there will be the spick-and-span of Dreer, Henderson, Stumpp, Fiske or Farquhar and everything systematized to the minute. Then when that time comes we shall hear no such remarks in the Emerson or the Belvidere as, "Oh, yes, I wanted a lot of that but of course we did not have it in Baltimore so I sent to New York for it." That kind of talk ought to make a seedsman of a metropolitan city like Baltimore blush, and yet it is common enough.

In the flower selling end of the business there are also hopeful signs. The old standbys from the fine foundations of their forefathers—the Feasts, the Hallidays, the Cooks and others—are holding their own. And there are many younger men in the field also showing good promise. But from a casual glance it seems rather remarkable that all these florists should be sitting idly by while the biggest plant business in the city, (palms, ferns, araucarias, and so forth), is being done by one of the seed houses!—Mercy!!

When you want to go anywhere in Baltimore ask a policeman or get a taxi. There are no signs on the street corners. They were all burnt up in the fire.

G. C. WATSON.

SOLANUM CAPSICASTRUM MELVINI

A MONEY MAKER FOR THE HOLIDAYS

(Introduced by us last season)

Dwarf, bushy plants, 12 to 15 inches high, covered with brilliant scarlet, conical shaped berries, carried well above the foliage.

AWARDED

Silver Medal by Society of American Florists.
Bronze Medal by Newport Hort. Society.

First Class Certificate by Mass. Hort. Society.

First Class Certificate by Gardeners' and Florists' Club of Boston.

First Class Certificate by National Gardeners' Association.

Sow Seeds in Jan. or Feb. for next Christmas.

Single pkt. 25c. 5 pkts. \$1.00
10 pkts. \$1.50 100 pkts. \$12.50

ORDER NOW AS SEED IS LIMITED

THOMAS J. GREY CO.

32 South Market St., Boston, Mass.



The Third Generation of Hendersons.

Two grandsons of the late Peter Henderson have recently associated themselves with the house of Peter Henderson & Co., New York. One, the namesake of his distinguished grandfather and son of the late Alfred Henderson, is a graduate of Yale College. The other, Howard Henderson, son of the present head of the company, Charles Henderson, spent two years at Cornell University. That the long-established repute of this honored house, which, since the death of Peter Henderson has been so ably maintained, will be energetically protected and extended in the coming days when these two promising young men will be called upon to assume that responsibility, will not be doubted by anyone who has had the pleasure of meeting them.

Some Very Seedy Verses.

Secretary Wilson's annual report will show that his department has distributed 34,000,000 packages of seeds during the last year.—News Item.

The wealth of Ormus and of Ind—
He has it quite completely skinned.
You merely tickle with a hoe
The fallow field in row and row.
Then write to Uncle Jim,
And when you've heard from him
Just drop his answer in,
And somewhat later, I—
You gather "tin"
In form of carrots, cabbages or corn,
While Plenty tips her horn.

So over all the land is seen
His trade mark written green
In field and garden fair,
Jim and old nature make a coking pair!
—Maurice Morris, in N. Y. Sun.

Notes.

Lexington, Ky. — A \$25,000 seed-cleaning plant is being erected by the Central Blue Grass Seed Co.

Lamoni, Ia. — The Farmers' Grain and Seed Co. has been incorporated here with a capital stock of \$5,000.

Milford, Conn.—The new seed warehouse for F. H. Woodruff & Sons is

about finished and will be fully equipped and stocked for business by January 1.

Clover-seed shipments from Austria-Hungary have been very large this year, the amount for the first six months being 8 4-5 million pounds, against 5 3-5 millions pounds in the same period last year. The United States bought 25 million pounds of clover seed in the fiscal year 1911, but only 2 per cent. of it is credited as coming from Austria-Hungary.

Owing to rather poor health recently, Chas. N. Page, of the Iowa Seed Co., started for California last week, to be gone about six weeks. He will visit the seed growers in the Sacramento, Santa Clara, Arroyo Grande, and Ventura districts, where they are now setting out onions, beets, carrots and other roots for seed production, ending his trip at San Diego, where he will spend the holidays with his wife and three of his children, who are staying there this winter. He expects to return to Des Moines, about January 12th to 15th.

NEWS NOTES.

Riverdale, Md.—The greenhouses of Alfred Ellaby have been purchased by William Henckell.

Hollis, N. Y.—The greenhouses of J. Gilkinson & Sons have been purchased by F. Speigler.

Leadville, Colo.—The greenhouses of Mrs. L. A. Gates, 423 West Third street, have been purchased by Mrs. N. Kellerup.

Fremont, Neb.—An interest in the Yager Nursery has been purchased by Wade R. Martin and the name will be changed to Yager & Martin.

Seattle, Wash.—F. W. Gust and T. V. Rhoades have purchased the store of the late L. P. Walz and will continue it under the name of the Rosery.

ASPARAGUS RUST.

Breeders and growers of asparagus are advised by the U. S. Department of Agriculture through Bulletin 263, Bureau of Plant Industry, to take up pedigree breeding and to use careful methods of production in order to keep rust from the plant.

On the subject the Bulletin says:

"Although the breeding work carried on with asparagus will eventually lead to the control of rust in commercial plantings several years must elapse before this result will become effective. Meanwhile it is necessary to take all measures practicable to prevent the destruction of existing fields of asparagus by the rust. To this end the main factor is to keep the rust away from the fields in summer just as long as possible.

"Wild asparagus growing around the borders of the fields, along fences, and ditches is one of the worst enemies of the growers. These wild plants act as infection centers and their influence can be easily traced later in the season when the cutting beds have grown up. Wild plants wherever found should be dug up and burned. New beds should be planted at only rare intervals of time and then if possible where they will be to windward of a cutting bed. Keep the seedlings out of the cutting bed, at least let none stay in at the time the bed is allowed to grow up after the cutting season. Allow no poor shoots to grow up in the cutting field. Keep down every shoot of asparagus until the middle of June and see that the neighboring farmers do the same. In the fall the tops should be removed carefully from one-year-old beds that are not to be cut the next year. This will in a large measure reduce the liability of infection from this source."

SEA SHORE LAWN MAKING.

Of course, you need a foot of soil from some good old pasture land. We all know that. But before starting here is something which very few know (at least I didn't know until Paul Huebner told me), a four or five-inch layer of salt hay! Not a thin spreading, but a good thick covering. Six inches wouldn't hurt. Another important point: Before you put the soil on dampen the salt hay. Turn the hose on strong. That solidifies it and keeps the soil from getting through. Mr. Huebner states that it is wonderful how long this salt hay layer lasts. There seems to be some important chemical reaction which cannot be easily explained; but anyhow—there's the wrinkle. The salt hay layer keeps the good soil from leaching away and your lawn is a success. We have been long familiar with the layer of clay underneath for the same purpose. Salt hay is just as good if not better than clay and far cheaper. This wrinkle takes its place, if I'm spared to tell it often enough, with the crab-grass remedy.

As for the seeds to sow for a lawn at the seashore there's nothing better than "a good lawn mixture" composed of about ten varieties, including: *Poa pratensis*, *Cynosurus cristatus*, *Festuca duriuscula*, *Agrostis stolonifera*, and other dwarf, fine-leaved perennial sorts—such as all first-class seed houses know how to formulate.

GEORGE C. WATSON.

DEPARTMENT OF AGRICULTURE SOIL SURVEYS.

During the fiscal year 1912, the Bureau of Soils, according to the annual report of Professor Milton Whitney, chief of bureau, made 181,114 square miles or 115,912,960 acres of soil surveys in the country or a total area 50 per cent larger than the area of great Britain and Ireland combined.

The work was distributed in 28 states. 31,304 square miles were surveyed in detail, and 149,810 square miles were made on a reconnaissance scale. Since the Bureau of Soils was organized about 10 years ago 622,595 square miles of detailed and reconnaissance soil surveys have been made by the bureau, making a total of 29 per cent of the soils of the country, which have been classified and mapped.

Cooperation work between the bureau, and the states of Alabama, Florida, Georgia, Indiana, Kansas, Missouri, Nebraska, New York, New Jersey, North Carolina, North Dakota, Ohio, Pennsylvania, Tennessee, Washington, West Virginia and Wisconsin was performed during the year.



GARDEN SEED

BEEF, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

S. D. WOODRUFF & SONS, 82 Dey St., NEW YORK and Orange, Conn.

POINSETTIA 2 1-2 in. strong, \$5 per 100; \$45 per 1000
CYCLAMEN SEED the celebrated English strain, \$9 per 1000
PANSY SEED, home-grown, finest giant strain, \$5 per oz.

Send for Catalogue.

S. S. SKIDELSKY & CO.
1215 Betz Bldg. Philadelphia.

BEAULIEU

Importer of Best French Seeds

I have received over 3000 new seeds. Send for List. No "short crop" about me.

New Store, 4197 University Place, Woodhaven, N. Y.

Telephone 1740 Richmond Hill

TOMATO SEED

BEST STOCKS. ALL VARIETIES.

The Haven Seed Co.

Growers for Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

HEADQUARTERS FOR Christmas Greens

BOXWOOD (cut), 50 lb. box..... \$7.00

HOLLY (loose), selected, 1/4 case, \$1.50; 1/2 case, \$2.75; full case, \$4.00; 5 cases, \$18.75; 10 cases, \$35.00. Extra selected, 1/4 case, \$1.75; 1/2 case, \$3.00; full case, \$5.00; 5 cases, \$22.50; 10 cases, \$42.50.

HOLLY WREATHS, extra fine per 100 11.00
Michell's special, per 100..... 12.00
Michell's extra special, per 100. 15.00

LAUREL WREATHING, 1st quality, 50 yds., at..... 4 1/2 c.
1st quality, 100 yds., at..... 4 c.
1st quality, 500 yds., at..... 3 1/2 c.
Extra quality, 25 yds., at..... 5 c.
Extra quality, 100 yds., at..... 4 1/2 c.
Extra quality, 1000 yds., at..... 4 c.

LYCOPodium (loose), 5 lbs..... .60
10 lbs., \$1.10; 50 lbs., \$4.75; 100 lbs., \$9.00.

LYCOPodium WREATHING, extra fine, 10 yds..... .70
Extra fine, 100 yds..... 6.50
Michell's special, 10 yds..... 1.00
Michell's special, 100 yds..... 9.00

LYCOPodium WREATHS
12 in., dozen..... 3.25

MISTLETOE (native), 1/4 case, \$3.00; 1/2 case, \$5.50; full case, \$10.00; lb. (Mexican), 50c; 50 lbs. at 40c. per lb.

MOSS (green lump), 1 bbl. bag, \$1.25; 5 bbl. bag, \$6.00; 1 bbl. bag, (sheet), \$2.50; 1 bbl. bale (shagnum), 60c.; 5 bbl. bale, \$2.00; 3-5 bbl. bale, \$5.75.

NOTICE. Christmas Greens are sold on a very small margin of profit, and terms to approved customers are January 10th, 1913. New customers not rated in Bradstreet's or Dun's will kindly send cash, less 2 per cent on first order to insure quick shipment.

We suggest ordering at once, as stock may run short; also give us shipping dates.

SPIREA (Just Received)

	Doz.	100	1000
Gladstone	\$1.30	\$8.00	\$77.50
Astilboides			
Florida	.90	6.25	57.50
bunda	.90	6.50	62.50
Compacta Multiflora	.75	4.75	42.50
Japanica	4.25	30.00	
Philadelphia			

FLOWER SEEDS (New Crop)

VERBENA SEED
Mammoth Fancy Blue, Pink, Scarlet, Striped, White, 30c. tr. pkt., \$1.25 oz. Mixed, 30c. tr. pkt., \$1.00 oz.

VINCA SEED
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" Rosea, Alba..... 30

" Prima Donna..... 50

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Plumosus Nanus, Greenhouse Grown.

100 seeds, 50c.; \$3.75 per 1,000 seeds;

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ASPARAGUS PLUMOSUS and ASPARAGUS SPRENGERI.

From 2½ inch pots, \$3.00 per C.
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Smilax, from 2½ inch pots, \$2.00 per C.
Single Bedding Hyacinths.

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SWEET PEA SEED**
For Fall Delivery

S. BRYSON AYRES CO.
"Renowned Sweet Pea Specialists"
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Plant Now--All Sound

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Florists will be interested in our
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Asparagus Sprengeri, 2 inch, \$2.00 per 100; \$18.00 per 1000. Cash please. Felsch Bros., Maywood, Ill.

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Vernon Begonias, 3 inch, in bloom, nice plants, \$3.00 per 100. Cash please. Felsch Bros., Maywood, Ill.

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Box Trees, all sizes. Ask for special list.

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THE IMPROVED CANNAS.
You can double your profits by stocking up with the new cannas. Be sure to get our list before you place your order. The Conard & Jones Company, West Grove, Penna.

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Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

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Anton Schultze, College Point, N. Y.
Flowering and Berried Plants.

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Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

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Thomas Roland, Nahant, Mass.
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William Hoffman, Pawtucket, R. I.
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200,000 Giant Flowering Cyclamen, August seedlings. We received first prize on our blooming cyclamen at the show in Cleveland, O., and hold other first prizes. Our aim is strong growers, a well built five petal flower, with good color and fragrance, many of them at one time, well marked foliage and general good habits. Strong August Seedlings, \$2.50 per 100; \$20.00 per 1000.

What others say about our blooming plants: Mr. E. A. Corson, Rochester, N. H., Nov. 15, 1912: "Cyclamens received and am more than pleased. They are certainly fine plants and such a range of color. Arrived in good condition too."

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Dracaena Indivisa, 2 inch, \$2.00 per 100 or \$18.00 per 1000. Cash please. Felsch Bros., Maywood, Ill.

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Echeveria metallica, very choice succulent, red foliage, fine plants for stock or propagation, \$1.00 per dozen, \$8.00 per 100 Wm. Tricker, Arlington, N. J.

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Fern runners, fine stock Boston, Whitman, Amerpohl, Springfield, \$1.80 per 100, \$15.00 per 1000. Roosevelt runners, very fine, \$6.00 per 100, \$50.00 per 1000. Roosevelt, 4-inch, \$15.00 per 100, 5-inch, \$25.00 per 100. Asparagus Plumosus, 4-inch, handsome stock, \$8.00 per 100, 50,000 sq. ft. of glass at Cleveland, O., devoted exclusively to ferns. I have the best stock to be had anywhere. Prices are low, for cash only. Schneider, Florist, Springfield, O.

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Geraniums, 2-in. Roseleur, Nutt, Dagata, Ricard, Red Wing, Viald, La Favorite, Col. Thomas, Mme. Jaulin, Mme. Bisquit, Perkins, Oberle, Lecadre, Landry, \$2.00 per 100; \$18.50 per 1000. Claire Frenot, Hill, Dryden, Pamela, Mrs. Annie Vincent, Poitevine, Double Dryden, Atlantis, Luigi Grandis, Docteur Danjou, \$3.00 per 100; \$25.00 per 1000. Send for geranium catalogue F. H. De Witt & Co., Wooster, Ohio.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

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Designer and Builder.

Lord & Burnham Co., 1133 Broadway, New York.

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King Channel Gutters.

Metropolitan Material Co., Brooklyn, N. Y.
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New Lilies.
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Marguerite plants from 5½-inch pots,
best winter flowering variety; \$6.00 per
dozen plants. Peirce Bros., Waltham, Mass.

Double Marguerite, Mrs. F. Sander, finest
spring and all summer bloomers,
strong plants, 2¼ inch pots, \$3.00 per 100.
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Manual of the Trees of North America,
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There are bargains to be had here in
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few. We have acres of shrubs, well grown
and ready for you. Write for price list.
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ORCHID GROWERS' MANUAL.
By B. S. Williams, 300 illustrations, 800
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species and varieties of orchidaceous
plants, etc. The most complete work on
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Orders filled by **HORTICULTURE**, 11
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PANSY PLANTS

Pansy plants, strong field grown.
Beaconsfield, light blue, best for cut
flowers. Also other separate colors. \$3.50
per 1000 prepaid. Peter Pearson, 5752
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Peonies. The world's greatest collection,
1200 sorts. Send for list. C. Betscher,
Canal Dover, O.

PIPE HANGERS

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Seele's Tieless Plant Stakes and Trellises.
H. D. Seele & Sons, Elkhart, Ind.

Plant Trellises and Stakes. P. A. Angler
& Co., Westboro, Mass.

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POTASH

German Kali Works, New York, N. Y.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIMULAS

Chinese primroses, 4-in., double and single,
fancy mixed, in bud and bloom, \$7.50
per 100, \$70.00 per 1000; large 2½-in. plants,
\$2.75 per 100, \$25.00 per 1000. Primula ob-
conica, 4-in., fancy mixed colors, full of
buds and bloom, \$5.25 per 100, \$50.00 per
1000; 2½-in., \$2.50 per 100, \$22.50 per 1000.
Try some.

Alonzo J. Bryan, Washington, N. J.

PRIVET

Amoor River North: The hardiest privet
grown, 12 to 18 inch, \$2.00 100; 18 to 24
inch, \$3.00 100. Valdesian Nurseries, Bos-
ton, N. C.

California Privet, well grown, 2-year-old
plants, from 12 inches to 3 feet; well fin-
ished plants, well graded and well packed.
Also one and two-year-old Ampelopsis
Veitchii. For prices and particulars ad-
dress Charles Black, Hightstown, N. J.

RAFFIA

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- Sphagnum Moss, large bales. Green Moss in bbls. Laurel Bunches and Broken Laurel. James Day, Milford, N. H.**
- Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.**

SPIREAS

- Breck-Robinson Nursery Co., Lexington, Mass.**
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STOVE PLANTS

- Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.**

TIP TOP TOBACCO POWDER

- Interstate Tobacco Co., Inc., 1397-1399 Ave. A, New York, N. Y.**
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- Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.**
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Washington

- The S. S. Pennock-Meehan Co., 1216 H St., N. W.**
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Why HORTICULTURE has stood the test as a profitable Advertising medium for the trade.

Because It is read by the men of standing and influence in the Horticultural field, every one of whom is a prospective buyer.

Why HORTICULTURE is so widely read.

Because Its contents are distinctly representative of American Horticulture and are thus indispensable to the Florist, Nurseryman, Seedsman and Gardener.

An Admirer of HORTICULTURE in the Central West writes; "It has won on its merits. It is our most prized weekly visitor."

And Now How HORTICULTURE has managed to elbow its way in between its older rivals and why the best trade advertisers find it an indispensable auxiliary.

It's No Secret That the men who read HORTICULTURE are the sort of men that advertisers like to talk to and if you have anything to advertise you can't afford to get along without them

In writing to Advertisers kindly mention Horticulture

NEW OFFERS IN THIS ISSUE

ASPARAGUS AND SMILAX STOCK PLANTS, ETC.

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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

STOREMAN, able to take charge and make up. Must have references as to honesty and sobriety. Steady job. Address, stating wages expected, etc., H. W., care HORTICULTURE.

SITUATIONS WANTED

POSITION WANTED as Superintendent or Caretaker of private estate by experienced man who understands gardens and garden-making, farming stock, road-making, draining and grading, moving of large trees and shrubbery, concrete construction and installation of sanitary sewerage disposal and management of men. Address P. O. Box 484, Stamford, Conn.

SITUATION WANTED by young man well trained in bedding plant and general retail florist business. Is good designer. Aged 23. Not married. Prefers New England territory. E. W., care HORTICULTURE.

GARDENER and FLORIST desires position, head or second gardener; 12 years' experience, good grower and propagator. Best of references. C. A., care HORTICULTURE.

WANTED, by gardener or general superintendent, position on private estate. Experienced in all branches; good references. Eight years in last position. Wm. D. Nickerson, 105 Harvard St., Brookline, Mass.

FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

GREENHOUSES BUILDING OR CONTEMPLATED.

Sunbury, Pa. — Trueman I. Purdy, one house.

Edwardsville, Pa.—Lesco Barney, house 20 x 65.

Holland, Mich.—Park Greenhouses, house 20 x 80.

Higginsport, O.—Victor H. Thomas, house 28 x 118.

Providence, R. I.—Philip Swanson, house 24 x 150.

Bad Axe, Mich. — G. M. Deady & Son, one house.

Berlin, Md.—Atlantic Nursery Co., propagating houses.

Scranton, Pa.—Mt. St. Mary's Seminary, house 18 x 50.

Norfolk, Conn.—J. E. Scott, Grant street, house 20 x 24.

Beverly, Mass.—T. A. Mulligan, Balch street, one house.

Chestnut Hill, Phila., Pa.—Minturn T. Wright, house 18 x 35.

Ranier Beach, Wash.—W. H. Crosby, vegetable house 22 x 100.

Macon, Ga.—D. C. Horgan, 109 Calton avenue, house 30 x 90.

Dublin, N. H.—Miss Adele Thayer, Gnome Farm, conservatory.

Great Falls, Mont.—F. P. Ironside, 3601 Third avenue, one house.

Whitestone, N. Y.—Vincent Zuber & Sons, Blue Farms road, additions.

Scranton, Pa.—T. M. McClintock, Electric and Jefferson streets, range of ten houses. Davis Floral Co., 526 Spruce street, one house.

IN WRITING ADVERTISERS KINDLY MENTION HORTICULTURE

Aphine

*The Insecticide that
kills plant Lice
of every species*

The Recognized Standard Insecticide.
Not a cure-all but a specific remedy
for all sap sucking insects infesting
plant life such as green, black, white
fly, thrips, red spider, mealy bug and
soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust
and bench fungl. Does not stain the
foliage.

75c. per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. De-
stroys eel, cut, wire and grub worms,
maggots, root lice and ants. Used one
part to 400 parts water, it does not in-
jure plants, but protects your crops
against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are
effective in the greenhouse and in the
garden.

FOR SALE BY SEEDSMEN.

Aphine Manufacturing Co., Madison,
N. J.

Manufacturers of Agricultural Chemicals

M. C. EBEL, General Manager.

JACK FROST

BURLAP MATS for COLD FRAMES

One Mat Covers Two Frames

\$1.20—\$14.00 per Doz.

Wm. Elliott & Sons

42 VESEY ST., NEW YORK

Established 1845.

FERTILENE

THE IDEAL PLANT FOOD.
Unequaled for Producing Lusty
CHRYSANTHEMUM BLOOMS

Ten pounds, \$3.00; twenty-five pounds,
\$6.00; fifty pounds, \$10.00. Sample packets
of one-half pound mailed for 30c. Sample
packets of one pound mailed for 50c.

ELMER D. SMITH & CO., ADRIAN, MICH

PATENTS

Trademarks and
Copyrights

Send your business direct to Washington.
Saves time and insures better service.
Personal attention guaranteed.
Thirty years active service.

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

In ordering goods please add "I saw
it in 'HORTICULTURE'."

You know nothing will take the place of manure in the green-
house. It is bread and butter and beef steak to the flowers.

Wizard Brand is the best manure you can use. Clean, con-
centrated, convenient, pure manure and nothing else.

A wagon load of rough manure reduced to a 100 lb. bag.



Better order ahead of the bad weather that is
coming and be prepared for emergencies.

Insist on Wizard Brand. Your supply house can
furnish it, or we will ship promptly.

THE PULVERIZED MANURE COMPANY

31 Union Stock Yards, CHICAGO.



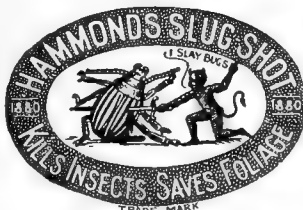
PLANT FOOD

Made into tablets—one of which to one quart of water
makes the best plant food ever analyzed by the Massa-
chusetts Experimental Station. Ask for sample by mail. Domes-
tic size mailed anywhere for 50c., containing about 200 tablets.

Dealers will find this the most satisfactory household package.

Eastern Chemical Co.

BOSTON, MASS.



SLUG-SHOT

USED FROM OCEAN TO OCEAN FOR 29 YEARS.

Sold by Seed Dealers of America.

Saves Currants, Potatoes, Cabbage, Melons, Flowers, Trees
and Shrubs from Insects. Put up in popular packages at popular
prices. Write for free pamphlet on Bugs and Blights, etc., to
B. HAMMOND, Fishkill-on-Hudson, New York.



Guaranteed under the Insecticide Act, 1910. Serial No. 321

Save your plants and trees. Just the thing for
Greenhouse and outdoor use. Destroys Mealy
Bug, Brown and White Scale, Thrip, Red Spider,
Black and Green Fly, Mites, Ants, etc. without in-
jury to plants and without odor. Used according
to directions our standard Insecticide will prevent
ravages on your crops by insects.

Non-poisonous and harmless to use and plant.
Leading Seedsmen and Florists have used it with
wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs
and all Domestic Pests. Excellent as a wash for
dogs and other animals. Relieves mange.

Effective where others fail.

½ Pint - - 25c; Pint - - 40c; Quart - - 75c
½ Gallon, \$1.25; Gallon, \$2.00; 5 Gallon Can, \$9
10 Gallon Can - - \$17.50

Dilute with water 30 to 50 parts

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house
write us direct

Lemon Oil Company Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package

Green Flies and Black Flies Too are easy
to kill with

"TIP-TOP" BRAND

Tobacco Powder

For fumigating or dusting. \$3.00 per
bag, 100 lbs. Write for free samples.
Money with order.

Interstate Tobacco Co., INC.

1397-1399 Ave. A, NEW YORK

Money refunded if not satisfied. Beware of
imitations. Territory open for live jobbers
Write for prices.

Cocoonut Fibre Soil

Trees mulched with this article will
grow larger fruit, better color, and
ripen more uniformly than by any
other means. We have proved it.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST., BEVERLY, MASS.

When writing to advertisers kindly
mention HORTICULTURE.

SOILS.

(Read by Alfred Burton, before the Florists' Club of Philadelphia.)

What is soil? Soil is the home of the roots of the plant. Soil is the storehouse for that part of the food which the plant takes in through its roots. Soil is the laboratory or kitchen where the food is prepared. And this work goes on unceasingly. Lastly soil is a support to hold the plant firmly in its place.

But what is soil? Soil is finely divided rock as can be readily seen with a microscope, clay being the finest and sand and gravel the coarsest of the divisions. In between the sand and the clay, we have what are generally known as loamy sand, sandy loam, loam, clayey loam, loamy clay and clay. These divisions are based upon the size of the soil grains and the different percentages of each size in a given soil. They are, of course, not arbitrarily fixed, there being unnumbered variations of soils.

Now if we consider soils as broken and decomposed rock, the first question that comes to our mind is, how and when were the rocks which originally covered the face of the earth converted into soil. Certainly ages and ages before man appeared on the earth. In fact before animal life of any kind could exist there must have been vegetation; and vegetation of the higher forms could not exist on bare rocks. Probably the commencement of the disintegration was coincident with the appearance of plant life in the lowest form.

Geologists tell us that the earth was once a molten mass, also that the water which now composes the oceans, was probably in the form of a dense vapor which surrounded the red hot earth. Naturally, the earth began to cool, and as it cooled, it contracted. The result of this was that the surface subsided in some places and wrinkled in others, thus producing the sea basins, valleys and hills. When the surface had cooled sufficiently, (and this cooling was hastened by the vapor in the air) the vapor condensed and fell as rain or snow, and thus began to wear or weather the rock. Frost and heat assisted the water in disintegrating and breaking up the surface. Sometime after the surface had cooled sufficiently vegetation began its existence. First in almost microscopic forms, the mosses and lichens which are able to extract nourishment from almost any rock. These by their death and decay formed a very thin film of vegetable matter on the rock and a stronger growth took place which in turn died, decayed and gave way to a still stronger and higher form of vegetation, and so on till grass, shrubs and even trees were able to exist. This decayed vegetable matter in the soil is called humus. And this humus helps to disintegrate the rock by holding moisture and by supplying acids which increase the solvent powers of the water on the rock. When a soil contains much of this humus, it is called a vegetable mold. Rich garden soils are good representatives of this class. A soil that contains vegetable matter that has only partly decomposed under water is called peaty soil. Such soils are found in swamps and bogs and are generally sour and need to be aerated and limed before using.

While organic matter or humus is by no means indispensable to plant life, and though it is a debatable question whether plants derive any nourishment from it direct, it is of great importance in enabling the soil to hold water, in making the soil more friable and easily worked, and in supplying carbonic acid which feeds the plant, and acts on the soil dissolving and making available other foods such as soda, potash and magnesium which are held in an insoluble state in the soil. Humus also gives the dark color to the soil which enables it to absorb the best rays of the sun more readily and thus warm up more quickly in the spring.

True clay is composed of silicate of alumina but the term clay in agriculture is employed rather loosely, being given to soils that contain a large percentage of impalpable rock dust with very little of the true clay present. Some authorities give the following percentage composition of the various soils:

	Clay or impalpable matter, Per cent.	Sand, Per cent.
Heavy clay contains	75 to 90	10 to 25
Clay loam "	60 to 75	25 to 40
Loam "	40 to 60	40 to 60
Sandy loam "	25 to 40	60 to 75
Light sandy loam	10 to 25	75 to 90
Sand contains	0 to 10	90 to 100

These percentages are by weight of the dry soil. We hear the terms light and heavy applied to soils. These terms have no reference to the weight of the soil but are used in reference to the mechanical condition. A light soil is one that contains considerable sand, falls apart and works easily. A heavy soil is one that is stiff and tenacious, with more clay than sand. It is a fact that a heavy soil actually weighs less than a light one.

A tenacious or adhesive clay soil can be greatly improved by the addition of sand, lime or vegetable matter, which tend to separate the particles of clay. It is this adhesiveness of clay which causes heavy soils to crack when drying. Clay expands very much more than light soils when wet and shrinks upon drying and owing to the adhesiveness of the particles of which it is composed, the shrinking causes the cracks to appear. These cracks are naturally injurious to the roots of the plants, breaking and pulling them apart. Sand does not change its bulk by wetting or drying. Likewise a sandy soil can be improved mechanically by the addition of clay, lime or vegetable matter. Lime has the peculiar power of lightening heavy soils and also of making light soils hold together better. Bringing the two extremes to a happy mean as it were.

The general chemical composition of soils is extremely similar, owing to the general mixing of the soil ingredients that has been going on since soil first began to form. Through the action of water dissolving and carrying material from place to place, through the action of streams, floods and glaciers, of burrowing animals, worms, etc., of the wind and even plants. Silica or quartz, because it is so hard and insoluble, is the chief ingredient both by volume and weight of all soils. It is a combination of silicon and oxygen. Aluminum probably comes next in abundance, being a fundamental constituent of true clay, feld-

spar and ice mica. Some of the other elements in the soil are oxygen, which occurs free and in combination with nearly all the other elements. Carbon occurs as part of the humus, also united with calcium and magnesium in the form of carbonates; also as carbonic acid gas which plays such an important part in the solution of plant food. Sulphur occurs as sulphates. Hydrogen is united with oxygen in the water. Chlorine occurs in limited quantities generally in the form of common salt sodium chloride. It seems to be in some way essential to plant life. Phosphorus is never found in nature in a free state but always combined with some other substance. It is very generally distributed through the soil but in small quantities and is very essential to plant life. Nitrogen is found in the soil in a combined form in the humus and the vegetable and animal matter, which upon decaying give up the nitrogen in the form of ammonia, which is turned into nitric acid by bacteria. The nitric acid unites with potash, soda or other soil ingredients and is taken up by the plant as a nitrate. Nitrates are extremely soluble and easily washed out of the soil. Calcium and magnesium in the form of carbonates compose the limestone beds of the earth. Both calcium carbonate or lime, and magnesia are necessary plant foods, and both are generally present in the soil in sufficient quantities to supply the plant with the required amount. Potassium is another element found in soils which is very necessary. It is widely distributed as a constituent of some feldspars and micas. Sodium, which is the base of common salt is also widely distributed, it very much resembles potassium as a chemical element, but can in no sense take its place in plant life. Iron is always present in the soil in sufficient quantities for the plant.

It would be supposed, that to find what foods were necessary for soils, all that would be necessary would be a chemical analysis of the particular soil. Then if any element was found to be lacking in sufficient quantity, the addition of this or these elements would give the desired results. But chemical analysis of the soil as they have been made, unfortunately can and do throw but a very dim and uncertain light upon either the condition of the amount of plant food a soil may contain.

It is true that the results of these analyses show a marked difference in soils, but from the data at hand, these variations may reasonably be supposed to be due more to the relative size of the soil grains than to any chemical differences in the composition of the soil. Taking an average of different analyses of soils, the following has been stated by one writer. On a farm where a three year rotation composed of corn, clover and oats was followed. The corn and oats being sold, and the straw, fodder and clover returned to the ground, the soil would contain potash enough to last 1521 years, soda 4050 years, magnesia 3300 years, lime 4367 years; phosphoric acid, only 542 years, sulphuric acid 292 years, and soluble silica 17,650 years.

These amounts of plant food are what chemical analyses have told us were in the top foot of soil, and we know that plants send their roots for-

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aging two, three and four feet down. And the subsoil is sometimes richer in certain ingredients than the surface or top soil.

Seeing these figures a man taking up farming who was not familiar with agricultural or horticultural pursuits would think it superfluous to add any more of these elements to his ground. When his fields contained already nearly two tons P2 O5 in each acre and over three tons K2 O, of what earthly use would it be to add a paltry 25 or 50 pounds more? Why, it would be lost. A chemist with the most accurate and careful analyses could never find it. It would be money thrown away.

But we know from practical experience that ninety-nine times out of a hundred his crops would be increased more than enough to pay for the manure or fertilizer added. We know that in spite of these figures, which there is no reason at all to doubt, soils do need fertilizing, they do play out, that farms do run down and become unproductive. And only by feeding can the soil be kept up to its fertility. So we cannot be governed by a chemical analyses as to the different elements our soils need. The only way is by trials, experiments and careful observation.

The most important thing in considering a soil, to my mind is the mechanical condition. Is it too stiff or too light for your purpose? Has it enough humus or organic matter incorporated in it? The proportions of clay, loam and sand can be readily ascertained in a laboratory with a simple apparatus, the percentage of humus can also be ascertained by analysis. But a practical man can judge a soil very closely by feeling it and observing how it works. Fortunately for the florist, he uses a comparatively small amount of soil, measuring it by the load instead of the acre, and can afford to amend or ameliorate his soil and so change its mechanical condition to suit his particular needs. In all probabilities, the greatest necessity will be humus. The cheapest way to add this is by plowing under a growing crop. Legumes are always preferable for green manuring as it is called, because they increase the amount of nitrogen in the soil and nitrogen is the most expensive element of plant food we have to buy. It is well to lime the soil before sowing a crop to be turned under, as adding a large quantity of green material is apt to sour the soil for a little while, also the legume family do better in soil that contains lime. It seems to be necessary for the proper development of the bacteria which cause the nodules to appear on the roots of clover and the other legumes.

Soils, generally, have the power of fixing the plant food added to them. By fixing, we mean holding the food in

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such a state that it cannot be washed out by the rain. This is true of phosphoric acid and potash, but nitrogen is very easily lost by leaching in the form of nitrates and under certain conditions escaping into the air as free N. The best way to hold the nitrogen is to keep the fields filled with growing crops, catch crops as they are called. These make use of the nitrogen and return it to the soil when plowed under. But it is only the clovers and others of that family that add more nitrogen than was originally in the soil. Clays hold the plant food more firmly than sandy soils and the same is true of moisture. Humus also helps to hold the moisture by absorbing it in the same way a sponge does, while clay holds it by surrounding it as though it were in a cup.

Oxygen or fresh air is very necessary to the soil to promote the growth of the innumerable bacteria that are always present in a fertile soil and to assist the chemical reactions that are continually going on. When the water in soil evaporates or is used by the plant, air rushes in to take its place. When more water is added, air and any injurious gases which may have been formed is driven out, and when this water is gone more fresh air is taken in. Also fresh air is taken into the soil at night. When the evening comes on, the soil cools and shrinks and air is drawn in to fill the vacant spaces. The opposite occurs when the soil grains expand with the heat in the morning. So you might say that the soil takes a breath once every twenty-four hours.

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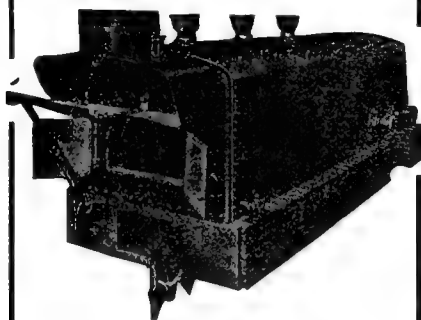
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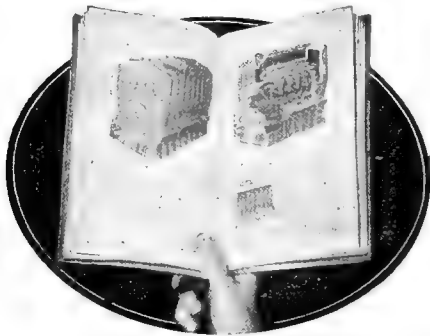
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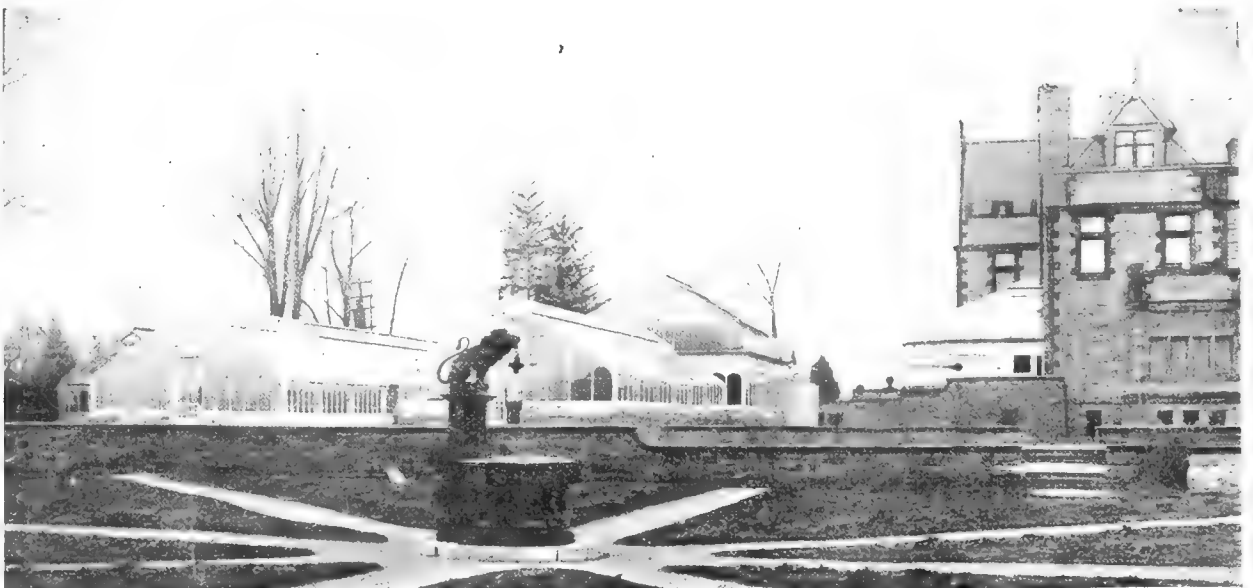
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MEN who try to do something and fail are infinitely better than men who try to do nothing and succeed. When Daniel Webster came up before the Bar Association for his legal examination he was told to go back and study—that he didn't know his lessons. He replied that he thought the best way to learn law was to practice it. He was finally admitted, and proved to be one of the greatest lawyers and statesmen the world has ever known. It is practice, after all, that makes perfect. The same principle applies to the lily growing business. Some florists have had results and get cold feet. You would not quit business just because a customer failed to pay you—no, you would keep right on working that much harder, to make up. Same in lily growing—if you don't succeed at first try again—and be sure and try harder. Perhaps you don't know how to treat lilies—ask, if you are not sure. But keep right on, plant more, work harder, and bring the general average up to standard, so you can pay for past experiences. Faint heart never won fair lilies. The growers who stick to it, through thick and thin, are the ones who finally make money. Get good reliable bulbs—Horseshoe Brand Giganteum—use them right, and they will make money for you. They are the best in the world—no exceptions. Growing instructions upon application. Order your Cold Storage Giganteum now for delivery throughout 1913—the following are present prices—storage free—payme it 60 days after delivery.

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Azalea mollis

Where you have quite a lot of *Azalea mollis* that was potted some time ago and placed in a deep cold frame, now is a good time to start a batch, which will take about eight weeks to come into flower. For the first two or three weeks they will be better in a cool house of about 45 degrees at night as they like a slow start. After this they can be placed where the temperature will run from 55 to 58 degrees at night. Keep the atmosphere in a nice moist state until they begin to show color, when they should be given a cooler and drier house. See that they are always given enough water at the roots to keep them moist. Do not overlook when bringing them into warmer quarters to begin to give them a syringing at least twice a day, which is of great benefit in making them break good; this can be continued until they begin to show color.

Dutch Hyacinths

The first planted batch of Dutch hyacinths should have by this time a heavy mass of roots, and should be placed in a moderately warm house, say from 55 to 60 degrees at night. In the early part of the year there is always trouble getting a good length of stem, so it is important to place the plants in an absolutely dark place, until they show the desired length of stem, when they can gradually be brought into full light, and will do fine on an elevated bench or shelf. Here they will develop intense color, with spikes strong and stout and will keep and sell well. See that none of them become dry at the roots, for when flats or pans are a mass of roots they will take water in great abundance. When allowed to suffer for the want of it they will not produce good spikes. So see that they get rightful share of attention at all times.

Lilies for Easter

It is opportune now to make a few remarks on lilies that you intend for Easter. It is well to bear in mind that next Easter falls on the early date of March 23rd. So now is not a bit too early to house all lilies intended for that date. When your stock is well rooted, which they should be by this time, they can be placed on a bench well up to the glass and where they can have abundance of light. Do not place them in strong heat at the start but give them a temperature of about 50 degrees at first. In about two weeks as growth progresses you can give another five degrees and so on, gradually increasing the temperature until you have them up to 65 degrees at night, which should bring them along on time. When they have made good stem and foliage and seem to be backward by the first of February you can give 70 degrees at night. Use great care in watering; make it a point to keep each and every pot in a moist state, as they should never be allowed to become either dry or in a soaked state. Give ventilation on all possible occasions, but not enough to lower the temperature. During all bright days give them a

good syringing and fumigate once a week moderately to keep down the aphids.

Dendrobiums

All dendrobiums such as *nobile*, *Devonianum*, and *Wardianum*, that have completed their growth, should have their season of rest by keeping them drier at the roots and by removing them to a cooler house, where they can have a temperature of about 48 degrees at night, with ten degrees higher with sun heat. At this period they will stand full sun, which is very important where you want good flowering canes. To help these orchids to lapse into a dormant state they will need but very little water at the roots. This should be brought about gradually, a little less each time, until they become well hardened up, but never allow them to shrivel from dryness at the root. During bright sunshine they should have a good syringing overhead, which will help them out materially. Ventilation plays a very important part in finishing them up also, so when the outside conditions will allow admit plenty of air. All such species as *Dendrobium Findlayanum*, *thyrsiflorum*, *densiflorum*, *bigibulum*, etc., will have to be rested at night in order to come out in good shape. While water should be gradually withheld these species will not endure so much drought as the others named above.

The Propagating Bench

The time is rapidly drawing near with the fading away of the old year, when all growers will want to increase stock. Those who have a well-working propagating house with a reliable system of heating have nine points of the success under their control, but where this is not available you will have to use a bench in some one of your houses where the sun's rays can be excluded but leaving plenty of light. See that the bench is above heating pipes that are evenly distributed and with working valves that can be opened or shut as the case may require. A good rule is to maintain a steady temperature in the sand of from 5 to 10 degrees higher than that in which the plants were grown. For the bottom of the bench place an inch of broken tufty soil, moss, gravel or any other coarse but clean material; this will produce good drainage. On this you can place two to three inches of finely sifted clean sand. Spread it even all over and then leave it well firmed. With a good watering your bench will then be ready.

Petunias

Give stock plants of double petunias a light bench and well up to the light so they will start and make some good cuttings. They like a temperature of about 55 degrees at night with 10 to 15 degrees higher with sunshine. Keep them watered and syringed and they will soon produce a fine batch of cuttings. When rooted they can be potted into 2½-inch pots using any good potting soil, keeping them shaded for a few days until they make new roots, when they should have a place with full exposure to the sun.

Mr. Farrell's next notes will be on the following: Carnations for propagation; care of Rambler roses; *Dracaena indivisa*; Forcing Lilacs; Hydrangeas; Verbenas.

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FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Melons

Melons at Christmas will be acceptable anywhere no matter what the extent of other delicacies. At this time of year it is a difficult matter to always get the same flavor into the fruits as that attained during the summer months. With a cooler air outside, the ventilators have to be kept closer which is a disadvantage when the finishing period commences. Keep the heating pipes warm always, reduce the night temperature 5 degrees, and give as much air as the weather permits. During very severe weather or with cold winds blowing the vents will probably have to be kept closed, but get a crack of air on, however, as soon as possible. Keep the roots on the dry side, yet keep the plants from wilting. Very little moisture will be needed in the house at this time. Some varieties are liable to crack open the fruits when watered after being half dry for a time. This can be checked by partly cutting the stem of any fruit not ripening.

Pruning Figs

A fig tree is a weird looking object when divested of its foliage. The pruning is of the same order as a peach tree, only twice the distance must be left between each growth. Cut away any weak or superfluous growths, leaving all the young wood possible; this carries the first of the three crops a fig should bear. As with all other trees early pruning is advisable and a clean cut should always be made with a knife. Where any very thick wood necessitates the use of a saw the cut should be smoothed off with a sharp knife afterwards. Any trees growing in pots or tubs, having a bush-shaped top should have the center opened out well, otherwise the crowding will produce weak and useless wood. Each growth must have space in which to develop its large foliage.

Making a Peach Border

A peach requires the same root confinement as a vine and also a good drainage. Up to the time of mixing the soil their requirements are identical. The walls are to extend down to the floor or bottom of the border, this to be properly graded to a drain to carry off the water, and sufficient drainage made of broken bricks to cover the whole floor. The soil does not need to be so rich as that composing a vine border. Fresh sod should be used without the addition of any manures. Sufficient broken bricks, about the size of one's fist, and a little charcoal should be added to keep the soil porous. If lime rubble is on hand mix in some of this also. This is applicable to all heavy soils. Sandy or gravelly soils will not require the opening material. A peach will often make heavy growths devoid of flower buds when planted in a new border having a full complement of soil. This can only be avoided by using shallow boxes for the first season, that is, where cross trellises are used. Borders in lean-to houses can be made up gradually as a vine border is. Root pruning will check all trees having a tendency to make heavy wood and is quite safe when done at the proper time. The compost

must be properly mixed and as each layer of soil is added have it rammed down firm, which will help to make a sturdier and better growth and there is no danger of the water not passing through, as the broken bricks and charcoal facilitate this. When planting young trees see that the roots are spread out evenly and are not put more than three inches deep.

Beans (Bush)

When beans are grown under ordinary normal conditions the chances of trouble are much less than when they are being rushed. It frequently happens that a bench or house of beans is put in as a catch crop and has to be out in quick time. Such conditions demand the maximum heat, resulting in a weaker plant with less resistant powers against disease; 58 to 60 is a good growing (night) temperature for beans, yet they will grow in one of 70 to 75. When you have a house with the latter temperature for beans, keep a sharp lookout for trouble of one kind or another. Damping and mildew will be the two worst. Careful airing is the only thing to prevent the latter and where it does appear dust over the plants with a little sulphur. Damping can be caused by excessive watering or too humid an atmosphere. Crowded parts of the rows are always the first to become affected. Where two or three seeds have been dropped together it will pay to thin them out. Any seedlings that have decayed at the collar should be removed at once to prevent the disease from spreading. The greatest preventive of all this trouble is a crack of air on the house all day (and night too, if it should be mild). This keeps the atmosphere buoyant and fresh.

The older generation of gardeners were always insistent for that crack of air to be put on right early and they knew what they were doing. That alone will keep the plants healthy and strong. Even where a crop is traveling at express speed it will pay to keep a "crack of air" on during mild weather. Too close an atmosphere is the cause of lots of our troubles in the vegetable houses.

Using Cyanide

We have an inquiry from J. B., Auburndale, relative to fumigating tomatoes with cyanide potassium to kill white fly. The proportions usually used are 1 oz. cyanide potassium, 2 oz. sulphuric acid, and 4 oz. water to 10,000 cubic feet. This is using Merck's 98 to 100 per cent pure cyanide, which is a reliable article. By using this only you can be sure of attaining the same results each time, which is not always the case when buying the loose stuff at the drug stores. This variation in strength of the cyanide, together with the temperature of the house at the time of using it is accountable for so many accidents and criticisms of its use. Always have the house dry and cool, about 5 degrees cooler than the usual night temperature and no harm will be done to the plants. When using this in the summer time wait for a cool night. One oz. of cyanide has been used in a house of 8000 cubic feet with good and safe results. It takes experience to use it at this rate.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

The Christmas Rush

With us the rush is not so confusing as in some places, for there is nothing like being prepared several days, yes weeks ahead of time. We do not mean that roses should or can be held back, but on the average place there are always more or less retail orders for Christmas, and those places that handle potted plants will find it a great help to have boxes all made and paper cut and in fact all that will be needed, ready in advance. The express companies will be handling parcels by the carload as the season advances and experience will tell you best what that means. Be sure to have plenty of paper on hand, for there is no telling what the weather will be. A little wax paper will do no harm and if you have not had the habit of using it then this is your chance to try it out. You will find it pays to use a little where ordinary tissue paper would quickly become soaked and worse than useless.

You will also find that two sheets of paper on the outside of a box are equal to three on the inside, so better be prepared to use both in the severe winter weather.

The Coal Bin

Never mind if there is a "hole" in it. It will not do to run the houses cold just to save a little coal. You will gain absolutely nothing by it in the long run, for roses must have their 60 degrees at night. We say 60 degrees, that being the average night temperature, which as we all know must be varied according to the location, conditions, and last and most important of all, the variety grown, some taking more heat while others take less, but the difference is only two or three degrees at the most.

Keeping Record of the Weather

This may seem rather useless at first, but you will find it rather interesting after a while. These records prove quite valuable after they have been kept for several years, enabling the recorder to predict the weather almost without fail. This may seem all out of place here in the rose department where there are hundreds of other problems to think about, yet just a little change of subject will do no harm.

Mildew

During the cloudy dark days of the winter keep on the lookout for this disease which is bound to prove disastrous if allowed to gain any headway. Prevention is the only remedy, as there is no cure. Mildew can be killed quite easily but the spots on the foliage will always remain. Should a little appear then kill it and watch

that the young growth does not get any more mildew, as the little leaves will not develop at all, giving the shoots a bare stunted appearance.

The simplest way to kill mildew is to apply a little sulphur to the steam pipes, where steam is used for heating. Spraying with some good fungicide is equally effective, and is more convenient at times. In using sulphur be very careful how you do so, for sulphur fumes are deadly poison to plant growth and will kill the foliage much quicker than mildew itself. Apply only a little about every ten or twenty feet on one pipe in each house. We generally count one house as twenty feet wide, allowing an extra pipe or two for each additional twenty feet of width. The prevention of mildew in the wide house is much easier than in the old 18-foot three-quarter span. The reason for this is that the large roomy houses are less apt to get a sudden change of temperature, for the small houses require but little clouds to bring the temperature right down, and they are up quickly again at the slightest streak of sunshine.

Red Spider

We are very sorry for the man who has an awful dose of spider to fight in the middle of the winter. This fall we have had unusually clear weather, and there is no reason why the roses should not be clean. If you are troubled in this respect do not lose any time in doing what you can to keep bad from getting worse. Use some good insecticide, and do so as often as is safe without hurting the plants. Syringe thoroughly every time you get a chance. Do not forget to shake the plants well right after, to make sure they dry off quite well before the sun sets. Also do not neglect to blow plenty of air-slacked lime underneath, to dry out the atmosphere under the lower leaves.

Pinching Wood for Propagation

Now is the time to pinch out all the real short growths to have the wood for early propagation. It will pay you to do this, insuring plenty of good strong cuttings, something which is quite impossible by the old method of taking only blind-wood cuttings. Killarneys have but very little blind wood and the few cuttings from these seldom grow into the strong healthy plants that are required. Remember it costs no more to have good, strong plants, than it does to keep a lot of scrubs, and it does not take an expert to tell which pay the best in the long run. In short, be careful to take wood from only strong, healthy plants, so that you can expect to have good young plants. Start right if you start at all.

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HORTICULTURE

VOL. XVI

DECEMBER 21, 1912

NO. 25

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To
 Canada, \$1.50.

ADVERTISING RATES

Per inch, 30 inches to page..... \$1.00

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times), 5 per cent.; three months (12 times), 10
 per cent.; six months (26 times), 20 per cent.; one year (52 times),
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Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at
 Boston, Mass., under the Act of Congress of March 3, 1879.

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outlook?"—then something must be said. As to the situation in the plant line, the fact that growers of holiday plants generally report—"sold out," "nothing left to advertise," etc.—makes it look as though the story of the plant trade from the growers' view-point, at least, was already written, nothing being left for them to do but to collect the money. In the "holiday greens and supplies" department which, in common with the plantsman's product, usually sizes itself up well ahead of Christmas, the same sort of talk is heard—"more orders now than we possibly can fill"; "cannot accept any more business!" Turning to the cutflower question, we find the situation about as in other years—forebodings and uncertainty regarding certain leading items, and, among the growers of these staples, a disposition to hold stock in reserve and place an enhanced price on same for even present delivery.

The why and why not of price advance

Now a word about the enhanced price. On carnations, which, by common knowledge, have been flowering very scantily this fall, the reports from nearly all producing centres are to the effect that the crop now in sight is the lightest for years and that a holiday famine is inevitable, especially on red varieties. Yet there are several carnation growers whom we have interviewed who frankly acknowledge having a full crop coming in just on time and all of superlative quality. As to the rose man and those who handle his wares at wholesale, most of them are, like their carnation brethren, disposed to stand on the time-worn ground of an unavoidably short supply due to weather conditions, etc., as a basis for better prices. That figures on American Beauty, Richmond and other red roses will soar rapidly for the next few days and attain a surprising altitude is freely predicted in all markets. How near all these prognostications are to be proven nobody knows. Long experience naturally leads us to take them with many "grains of salt," but allowing that scarcity will be felt in every item where special scarcity is predicted we would respectfully suggest that this fact hardly furnishes justification for any sudden boosting of prices for Christmas delivery of the many other flowers with which the wholesale markets are sure to be supplied in practically inexhaustible quantity.

A warning

The trouble is that the whole exaggerated system of holiday flower prices has been so long in vogue and the habit has become so confirmed that it is not easy to drop it. Yet under the conditions of supply now existing we cannot get away from the conviction that any florist who, by adherence to the methods of former days when complete dearths were a reality and augmented prices on every available flower unavoidable, discourages the purchasing and use of flowers as a holiday gift by anyone, whether humble or opulent, does a serious and lasting injury to his business in general and his own prospects in particular. Our Chicago correspondent mentions the tremendous call for "red ruscus" this year and the increasing use of this and other preserved and dyed material as substitutes for flowers in florists' window decorations. This tendency, we might add, is not confined to Chicago but seems to be quite general. It may be well for us to ask ourselves whether this displacement of the fresh flower by artificial material is due in any way to our past policy and methods and, if so, how long we can persist in antiquated practices in the face of this new menace. When the danger signal is set it behooves everyone on the road to take due notice.

Predictions regarding the flower market, especially at this season of the year, are always in the "extra hazardous" class, as everybody realizes, so we naturally approach the subject with the proper amount of fear and trembling. Yet when one is repeatedly called upon to reply to the question—"What seems to be the general

CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The election of officers was the principal business before this club at its regular meeting on Tuesday evening, Dec. 17. It was remarked by many that the attendance seemed hardly in keeping with the importance of the occasion, being light as compared with the average attendance at these monthly meetings. This was undoubtedly due to the fact that there was really no contest on to live things up, there being but one candidate for each office except vice-president and executive committee, and it transpired regarding the latter that very few were willing to accept the job, two gentlemen even declining to serve after having been elected by ballot.

The result of the election was finally decided as follows: President, W. J. Kennedy; vice-president, Herman Bartsch; secretary, W. N. Craig; treasurer, Peter Fisher; executive committee, Peter M. Miller, W. J. Patterson, Robert S. Edgar and W. C. Rust. A very good set of officers and the coming year should show some good practical work put through. President-elect Kennedy has given good proof of his sincerity and ability as a presiding officer when, as vice-president he has been called upon to fill the chair during most of the past year on account of the disability of ex-president Pegler.

Wm. Downs reported for the landscape class committee that two very excellent instructors, Messrs. Aldrich and Smith had been secured for the season. The course begins this week and class will meet regularly on Tuesday evenings at Horticultural Hall, Boston, for sixteen weeks. An earnest appeal was made by Mr. Downs to the young men of the club to take advantage of this rare opportunity to secure instruction in one of the most lucrative and beneficial fields of horticultural skill and W. H. Elliott spoke strongly in the same vein. F. E. Palmer made a report of progress on behalf of the committee on trade publicity and was followed by W. J. Stewart, both speakers urging patience and that the committee be given plenty of time to work out something broadly practical.

As announced in the program, during the hour in which the tellers were counting up the ballots, Andrew Christensen of Stoneham gave a talk on his recent trip to the tropics, including the Panama Canal, Jamaica and Costa Rica. The latter, he said, was the most beautiful country he had ever seen. The gigantic work being done in the construction of the canal was graphically told and the strange scenery and wonderful vegetation of the Isthmus and the tropical islands, their people and customs were most delightfully depicted. The address was full of simple yet vivid word-picturing which was thoroughly enjoyed.

On the exhibition platform was a vase of Carnation Princess Dagmar from Patten & Co.; Cattleya Perci-

valiana, 18 blooms, from Charles Cooper, gardener for Miss Amy Lowell of Brookline; vase of mixed carnations from T. Coles; poinsettias, cyclamen and Lorraine begonias from R. & J. Farquhar & Co., and two seedling carnations from Littlefield & Wyman of North Abington, which attracted notice by their fine growth and glowing pink color.

Regarding the "double flowered" poinsettia shown by Messrs. Farquhar, George Anderson declared it to be the only one worth growing, as it lasts longer and holds its leaves better than the old variety. Robert Cameron endorsed this, stating that when the large outside red bracts fall away the smaller ones in the centre expand and take their place, thus maintaining an attractive head for three or four months.

ST. LOUIS FLORIST CLUB.

The Florist Club held a very interesting meeting, Thursday, December 12th, the best attended of the year, the occasion being the presence of President Vincent of the S. A. F. The publicity committee made a written report, and R. J. Windler, chairman, delivered quite an address. At the conclusion a vote was taken as to a standing fund for this committee, which was headed by the club with \$50, and before the close of the meeting several hundred dollars was subscribed by the members. A letter was read from President-elect Farquhar of the S. A. F., which was placed in the hands of a committee. Adolph Janeicke, A. J. Windler, O. K. Danders and F. X. Gorly were elected to membership on clear ballots. Resolutions on the death of Francis Fillmore were prepared by J. F. Ammann and were adopted by a rising vote.

The Chicago Carnation Co. sent Carnation The Herald, and a committee consisting of J. Bourdet, F. Fillmore and W. Blixen reported that the blooms scored 87 points and on motion they were presented to Mrs. Vincent.

President Vincent gave a fine talk on affiliation, publicity and S. A. F. matters and his remarks kept the members in good humor all afternoon. Adolph Janeicke addressed the meeting, asking the club to meet at the garden at least twice a year, which was accepted with thanks, the trustees to name the months for these meetings. Luther Armstrong, the oldest member of the club, was reported sick at a local hospital and the trustees were ordered to send a bouquet of flowers each week.

AMERICAN GLADIOLUS SOCIETY.

Change of Name.

Notice is hereby given that the name of Gladiolus Dawn (Childs), listed for several years by John Lewis Childs, Floral Park, N. Y., has been changed to Dawnray. This change has been made voluntarily by Mr. Childs, to accelerate the work of the nomenclature committee.

L. MERTON GAGE, Sec'y.
South Natick, Mass., Dec. 13, 1912.

NEW YORK FLORISTS' CLUB.

On Friday, Dec. 13, the committee of awards of the N. Y. Florists' Club visited the establishment of the Cottage Gardens Co. to see the new carnation "Mitchless" growing. It had already received the preliminary certificate of the club. The report will be made public at the next meeting. There was a number of visitors at this place the same day, among them Frank H. Traendly, C. H. Totty, John Donaldson, Joseph Fenrich, J. H. Pepper, Walter F. Sheridan, Jos. A. Manda, John Young, of New York and R. H. Cathcart, Newburgh, N. Y. Of the committee there were Chairman A. L. Miller, Robert Simpson, John Miesem and Charles Weber. All were pleased with the splendid condition of the plant and the new cerise carnation "Vivid" made a great impression on the visitors. Manager R. T. Brown is making great preparations for his exhibits in the competition classes of ornamental nursery stock and will in addition take a large block of space in the trade exhibition of the International Flower Show. Later the party was taken in automobiles to the greenhouses and nursery of A. L. Miller, Jamaica, whose Christmas stock was nearly all sold.

The committee of award are going to Northport, L. I., before the new year to the greenhouses of J. D. Cockcroft, to make final scoring on the carnation "Northport."

Among other unintentional and much regretted "slip-ups" incidental upon the final hustle in getting out our holiday number last week was the omission of the name of John Donaldson of Elmhurst, who was elected vice-president of the New York Florists' Club. This evidence of popularity is well merited by that amiable and accomplished gentleman.

The Ladies' Entertainment Committee for the International Flower Show, as appointed by President Manda, is as follows: Mrs. F. H. Traendly, Miss O'Mara, Mrs. W. F. Sheridan, Mrs. C. H. Totty, Mrs. J. Scott, Mrs. C. B. Weathered, Mrs. A. L. Miller, Mrs. J. B. Nugent, Jr., Mrs. J. A. Manda, Mrs. J. Donaldson, Mrs. J. Roehrs, Jr., Mrs. H. A. Bunyard, Mrs. Charles Schenck, Mrs. J. H. Pepper, Mrs. W. E. Marshall, Mrs. A. M. Henshaw, Mrs. R. G. Wilson, Mrs. W. H. Siebrecht, Jr., and Mrs. Harry Turner.

LENOX HORTICULTURAL SOCIETY.

This society held their annual meeting on Dec. 9th. The treasurer's report proved that the society was in a good financial position. Messrs. Heermans, Jenkins, Wingett and Lovelass gave some interesting talks on their visit to the New York and various other shows and all spoke very highly of the new rose, Mrs. Charles Russell. Mr. Cook, of Stumpp & Walter's spoke very favorably of new places building up in the middle west. Alex. MacConnachie was elected president; Frank Butler, vice-president; A. J. Loveless, treasurer; G. Instone, secretary; W. Hooper, assistant secretary.

W. HOOPER, Asst. Sec'y.

NEW JERSEY FLORICULTURAL SOCIETY.

The New Jersey Floricultural Society held their regular monthly meeting, Friday, Dec. 13, in Lindsley Hall, Orange. The following officers for the ensuing year were elected: President, Frank Drews; vice-president, Geo. B. Wilson; secretary, John Der- van; treasurer, Fritz Berglund. The monthly competition for the year ended at this meeting with the following results. Roses.—S. M. & A. Colgate, gard. Wm. Reid, 707 points; Charles C. Goodrich, gard. Fritz Berglund, 677. Carnations.—S. M. & A. Colgate, 746; Chas. Hathaway, gard. Max Schneider, 735; Chas. C. Goodrich, 660. Vase of cut flowers other than the above.—Essex County Country Club, gard. Frank Drews, 797; Chas. Hathaway, 780. Violets or sweet peas.—Chas. Hathaway, 583; Essex County Country Club, 380. Foliage or flowering plant.—Mrs. Wm. Barr, gard. Emil Panuska, 660. Orchid plant in flower.—Mrs. Wm. Barr, 696; Lager & Hurrell, 600. The society decided to adopt the same schedule for the monthly exhibitions during 1913.

The annual dinner and dance will come off on Wednesday, p. m., Jan. 15, in English's Hall, East Orange. Tickets can be had from William Reid, 363 Centre St., Orange, N. J., price \$2.00, including dinner and dance. J. Austin Shaw will be toastmaster on this occasion.

Lager & Hurrell showed a fine specimen of *Laelia Gouldiana* in flower, which was awarded 80 points. All the other exhibits were staged in fine shape, too.

WILLIAM REID, Secretary.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

The second annual meeting of this society was held in Doran's Hall, Greenwich, Conn., on Dec. 13. The exhibition was good. First prize for celery was awarded to W. Wynne, Stamford. A fine vase of poinsettias from Th. Ryan, Port Chester, was awarded a cultural certificate. The following exhibits were highly commended: Vase of roses, A. Pederson, Stamford; *Cypripedium insigne*, Geo. E. Baldwin Co., Mamaroneck; *Solanum capsicastrum*, Harry Wilde; tomatoes and a fine vase of *cypripedium*, James Foster; *Bouvardia Brilliant*, Harry Wilde. The following received a vote of thanks: A. Pederson for vase of narcissus; H. Wilde for *Solanum caps.* Melvini; Scott Bros. for *Carnation W. Eccles*, a certificate of merit having previously been awarded for that peerless variety.

The following officers were elected: President, Robt. Williamson, Greenwich, Conn.; vice-president, Oscar E. Addor, Larchmont, N. Y.; secretary, J. B. MacArdle, Greenwich, Conn.; treasurer, W. J. Sealey, Port Chester, N. Y.; cor. secy., Owen Hunnick, Greenwich, Conn.; executive committee, Harry Wilde, Greenwich, Conn.; T. Ryan, Port Chester, N. Y.; A. Paterson, Saugatuck, Conn.

Refreshments were served and a most enjoyable time was spent by all present. It was decided to hold the first annual dinner in New Rochelle some time in January.

OSCAR E. ADDOR, Cor Secy.

MINNESOTA STATE HORTICULTURAL SOCIETY.

46th Annual Meeting, Dec. 3 to 6.

The large audience room was well filled from start to finish. The president's address was followed by the writer with a paper on "The Mission of the Nurseryman." He was followed by an able paper presented by Prof. E. C. Hilborn on "The Farm Home Beautiful." Rev. R. E. Olmstead, of Exelsior, spoke of birds as the friends of the horticulturist. There is a fad in some of our Western states of preserving squirrels and building houses for them. Nebraska has a law fining one \$5 for killing one. In the discussion it was proved that the little rascal was the deadly enemy of the birds, destroying the young and killing the mother. The opinion was that he should be put out of the way. One of the United States Government reports speaks of the absence of birds in the forests where the squirrels destroy them, and as the result countless insects menace the trees.

The question of small fruits was ably discussed, especially the ever-bearing strawberry, one man having twenty acres and preparing to plant twenty more. By picking off the buds till July and August and then letting them go, they bear enormous crops till frost comes. And they bring large prices.

There are other societies holding meetings in connection with the parent society, the Forestry Association, Plant Breeders' Society, Ladies' Auxiliary, Bee Keepers' Society, each having a place on the program. This was an off year for fruit, and yet the display was something grand. Minnesota apples captured the prize at the great Western show a year ago. Indeed we do not see how it is possible for any state to beat a Minnesota Wealthy. Minnesota needs a hardy winter apple and they offer a \$1,000 prize for it. They will get it in time. The benefit of top grafting on the Hibernial and other hardy kinds was discussed. This process does make the scion hardier.

One man bought ten Missing Link apples. He planted them and lost every one. He took precaution to put some grafts on the Hibernial—one of the hardiest of the Russians, and they all lived and bore large crops.

C. G. Patton, probably the world's greatest pomologist, was present. He is now over 80 years of age, yet pushing his discoveries with the zest of a young man. Prof. Hansen, the man of destiny, was there. He is an old friend of mine and I had a long talk with him about his work. He has made three trips to Siberia at the peril of his life from anarchists, the cholera and the terrible cold when he nearly perished. But he secured what he was in search of—a forage plant which will endure the vicissitudes of our great Western plains. It is the yellow-flowered alfalfa. He followed it nearly to its northern limit. In its wild state it will grow 3 to 4 feet tall, with three to five hundred stems from a single plant.

C. S. HARRISON.

WESTERN NEW YORK HORTICULTURAL SOCIETY.

This society held its annual meeting at Rochester, in Convention Hall on Wednesday, Thursday and Friday, Dec. 11, 12, 13. It was largely attended; there were many progressive and pertinent addresses and a very fine exhibition of fruit. W. C. Barry was again elected to serve as president, this being his 23rd term. John Hall, secretary and treasurer for twenty-three years, also was re-elected. John Hall, secretary and treasurer for 23 years, also was re-elected. The other choices were:

Vice-presidents, E. Van Alostyne, Kinderhook; C. R. White, Ionia; Lloyd S. Tenny, Hilton; S. J. Bush, Morton; Samuel Fraser, Genesee; T. B. Wilson, Hall; Executive Committee, A. L. Whitbeck, Sodus; M. C. Burritt, New York; Arthur Simmons, Walker; H. S. Wiley, Cayuga; R. G. Phillips, Rochester.

The office of president has been held in the Barry family for fifty-two years. Patrick Barry, William C. Barry's father, became president in 1860 and when he died in 1890 his son succeeded him. A year before his death Patrick Barry wrote a check for \$2000, designating that it be used to promote the objects of the society. This fund has permitted recognition of the genius of two Rochester experimenters.

The report of the trustees of permanent fund showed receipts during the past year of \$2,708.89 and disbursements of \$847.59, leaving a balance in the bank December 1, 1912, of \$1,861.30.

The secretary-treasurer's financial report showed receipts of \$3,196.65, disbursements of \$2,381.86 and a bank balance December 1, 1912, of \$814.79.

The report of the legislative committee presented by Hon. Thomas B. Wilson, chairman of the Assembly committee on agriculture, reviewed the efforts to obtain the passage of a law establishing standard grades and regulating the size of standard packages of apples and other fruits.

NEW LONDON COUNTY (CONN.) HORTICULTURAL SOCIETY.

The annual election of the officers for 1913 of the New London Co. Horticultural Society took place at the regular meeting of the society, Dec. 12th. The following were voted in: President, John Maloney; vice-president, Henry Fuller and Alfred Flow- ers; secretary, John Humphry; financial secretary, W. J. Morgan; treasurer, S. S. Ewell; librarian, Donald Miller.

President Stanley Jordan was heartily thanked for his services to the society during the past year. A very interesting paper was given by Edward Smith, florist, on the cultivation of violets and an interesting discussion followed.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The annual meeting of this society was held at Pembroke Hall, Glen Cove, N. Y., on Wednesday, Dec. 11th. E. J. Brown, who has been treasurer for a number of years was unanimously elected president; James MacCarthy, vice-president; E. Westlake, rec. secretary; J. MacDonald, cor. secretary; S. J. Trepess, treasurer; J. F.

Johnston, trustee. The treasurer's report showed a good balance to the credit of the society. It was decided to hold the annual dinner on Jan. 23rd. The committee of arrangements are J. W. Everitt, J. F. Johnston and S. J. Trepass. Prizes were offered for violets, carnations and poinsettias and the same awarded to A. Mackenzie, V. Cleres and O. Bjorkgreen. H. Gaut was awarded a certificate of culture for a very fine collection of vegetables and V. Cleres a certificate of culture for a new seedling tomato.

JAMES MACDONALD, Cor. Sec'y.

THE SHAW BANQUET.

The 23rd annual Shaw banquet took place last week, Friday evening, Dec. 13, at the Washington Hotel, St. Louis.

The majority attending were members of the St. Louis Florist Club, the guest of the night being Richard Vincent, Jr., president of the S. A. F. The toastmaster was Dr. G. T. Moore. After a splendid spread Dr. Moore rose and stated that the usual speaking would be done away with and that the evening's entertainment would be given by Mr. Vincent, who gave an illustrated lecture on the recent London Flower Show and the Holland bulb industry. This was one of the most interesting talks on floriculture ever listened to, while it was also very instructive to the young students of the garden who were all present.

CLUB AND SOCIETY NOTES.

The annual meeting of the Lenox Horticultural Society was held last Saturday and the following officers were elected: President, Alexander McConnachie; vice-president, F. H. Butler; treasurer, A. J. Loveless; secretary, George Instone; assistant secretary, William Hooper.

J. Mack Turner of Springfield was elected president of the Illinois Horticultural Society at Champaign, on Dec. 12. F. R. Baxter of Nauvoo and L. R. Bryant of Princeton were elected vice-presidents. The new secretary is A. M. Augustine of Normal, and the treasurer, J. W. Stanton of Richview.

The Rochester, N. Y., Florists' Association held its monthly meeting Dec. 9 and members listened to an address by Fred C. W. Brown, of Bucalo, on "Art and the Arrangement of Flowers." A short business session was held prior to the speaking and the following Nominating Committee was appointed: George B. Hart, E. P. Wilson and H. P. Neun. Election of officers will be held at the first meeting of 1913. The association will send a letter of condolence to the family of the late J. W. Robbins, an honorary member.

The Florists' and Gardeners' Club of Holyoke and Northampton, Mass., met at South Hadley, Dec. 10, as the guest of Reginald Carey, and after the transaction of routine business the annual election of officers was held. Prof. E. J. Canning of Smith College was elected president, D. J. Gallivan of Holyoke, vice-president, Prof. James Whiting of the State College, secretary, Prof. Kinne of Mt. Holyoke, G. H. Sinclair and George Strungel of Holyoke were elected members of the executive committee. Afterwards there was a talk by James Rollins on "Methods of Gardening in England."

The next meeting will be at the Smith college conservatories Tuesday evening, January 14th.

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The twenty-fourth annual meeting of the South Dakota State Horticultural Society is to be held in Redfield, South Dakota, Tuesday, Wednesday and Thursday, January 21, 22, 23, 1913. There will be an excellent program of papers and discussions and illustrated lectures. It is the business of this society to gather all the information and experience possible concerning fruits, trees, shrubs, vegetables and flowers for annual publication by the

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Double Pink Killarney, Radlance, Mrs. Taft, Mrs. Wardell, My Maryland, Harry Kirk, \$10.00 per 100.

Pink Killarney, White Killarney, Kaiserin Augusta Victoria, Richmond, Perle, Sunrise, Sunset, American Beauty, \$8.00 per 100.

Bride, Bridesmaid, Bon Silene, La France, Gruss an Teplitz, Clothilde Souper, Souvenir de Wootton, \$7.00 per 100; \$80.00 per 1000.

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We have the following stock of Narcissi unsold, which has been kept in cold storage
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	100.	1000.		100.	1000.
Von Sions. XX. Selected double-nosed bulbs, Florists' stock	\$2.00	\$15.50	Von Sions. Second size. For late forcing.....	\$1.25	\$10.00
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Golden Spur. Deep yellow perianth and trum- pet; very large; equally good as a forcer and for garden; extra selected bulb; double- nosed.			Incomparabilis Figaro. Perianth primrose sul- phur; cup bordered orange red.....	\$0.50	\$4.00
First Size X.....	\$1.25	\$11.00	Silver Spur. French-grown	1.25	10.00
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 free flowering; growing as freely as the white types.
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Plant some of these among your Carnations; they will come in handy at any time.	100.	1000.
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Blushing Bride. Flowers are large, pure white with delicate pink spot. Useful for early forcing75	5.50
Delicatissima superba. Pure white, bright, large, carmine blotch.....	1.75	16.75
Fairy Queen. Carmine red, white blotch.....	.85	7.00
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Queen Wilhelmina. Blush white, with conspicu- ous blotches of cream, with scarlet margin...	100.	1000.
Sappho. Large white, shaded pale lilac, with faint creamy blotches edged violet.....	2.00	18.00
The Bride (Colvillei alba). This lovely white miniature Gladiolus makes a useful cut flower	.85	7.50

GLADIOLUS GANDAVENSIS HYBRIDS

Many florists plant these in boxes, or among their Car-
 nations, in the Winter. They are excellent for decorative
 purposes and realize good prices, either wholesale or re-
 tail. Gladiolus are a good catch-crop and take up but lit-
 tle room. The following are the best:

America. The flowers, which are of immense size, are the most beautiful flesh-pink color. \$3.25 per 100, \$30.00 per 1000.		
Augusta. The florists' best white Gladiolus.	100.	1000.
First size bulbs, 1 1/4 inches and up.....	\$2.00	\$18.00
Bulbs, 1 1/4 to 1 3/4 inches.....	1.75	16.00
Shakespeare. White and rose.....	5.25	50.00
May. Pure white, flaked rosy crimson; the best forcer; selected bulbs.....	2.25	20.00
Brenchleyensis (true). Fiery scarlet; top roots.	1.75	15.00
Selected bulbs	1.35	12.00
First size	1.25	10.00
Boddington's White and Light. Extra selected bulbs, 1 1/4 inches and up.....	1.75	15.00
American Hybrids. A mixture of the choicest varieties of Gladiolus.....	1.00	10.00

Wholesale Florists' Catalogue of full line of Bulbs, giving descriptions and prices,
 may be had on application. Write for a copy today

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Seedsman

342 West 14th St., New York City

NEWS NOTES.

Westport, N. H.—H. H. Bolles is building an office and workroom at his Hyponeco greenhouses.

Baltimore, Md.—The greenhouse business of Charles Erdman has been taken over by Erdman & Ulrich, Belair road.

Joplin, Mo.—Treganza Bros. have purchased the stock and business of the late D. A. Graham and will continue it under their own name.

Warsaw, Ind.—The greenhouses of the Argos Floral Co., of Argos, has been purchased by W. W. Dedrick, who will move it to his range here.

Reading, Pa.—Paul Blachman, Jr., will continue the florist business formerly conducted by the late Mrs. Clara L. Blachman, 116 North Ninth street.

Houston, Texas—The city has purchased the florist establishment of M. V. Wright, Washington street, with the intention of using the location for a park.

Flushing, N. Y.—M. F. Loughman has sold the Thorne Greenhouses on Golden avenue to Mulligan & Muller. The business will be continued by the new owners.

St. Louis, Mo.—The florist business of Edward L. Loyet, 918 Kings Highway, St. Louis, Mo., has been purchased by Julius Schaeffer, who will continue the business.

Lewiston, Me.—Ernest Saunders, florist, 578 Main street, has purchased the store at 50 Lisbon street. It is stated that he does not intend to occupy it at present. He has leased a store at Ash and Lisbon streets and will move his down-town business there.

Lawrence, Mass. — Stories having been circulated that Thornton Brothers intend retiring from the retail flower business the first of the coming year and that their present store is to be closed have been branded by Messrs. Thornton as malicious falsehoods. They assure the public that they have no intention of retiring, either from the flower or seed business.

PERSONAL.

Richard Fowler, formerly with W. K. Harris, Philadelphia, Pa., is now grower for the Port Alleghany greenhouses, Port Alleghany, Pa.

John Van Gemert, formerly with R. & J. Farquhar & Co., of Boston, is now employed as foreman at the nursery of J. Woodward Manning, East Wilmington, Mass.

Detroit visitors—Charles Frueh, Saginaw, Mich.; Mr. McGee, Toledo.

Boston visitors.—A. E. Thatcher, Bar Harbor, Me.; Peter Zuger, So. Manchester, Conn.; R. J. Irwin, Phila., Pa.; Wm. Hall and Wm. Cotter, Montreal, P. Q.; Jos. Fuller, Leominster, Mass.

Cincinnati visitors—Miss Fannie White, Lexington, Ky.; Chas. P. Keller, Lexington, Ky.; Chas. Dietrich, Maysville, Ky.; Geo. Gause, Richmond, Ind.; S. Seligman, New York; K. H. Zervat, Lisse, Holland.

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			Tr.	Oz.				Tr.	Oz.
VERBENA.			Pkt.		Barnard's Perpetual.....			\$25	\$1.00
Mammoth	Fancy	Blue.....	30	\$1.25	Crystal Palace Speciosa.....			15	.50
"	"	Pink.....	30	1.25	FETUNIA.			Tr.	Tr.
"	"	Scarlet.....	30	1.25	Michell's Monstrosus.....			Pkt.	Pkt.
"	"	Striped.....	30	1.25	California Giants.....			30	.50
"	"	White.....	30	1.25	Grandiflora Fringed.....			30	.50
"	"	Mixed.....	30	1.00	Dwarf Inimitable.....			30	.50
SALVIA.					Snowball.....			30	.30
Michell's Scarlet Glow.....			50	4.00	PHLOX DRUMMONDII.			Tr.	
Bonfire.....			40	2.00	Dwarf Crimson with Eye.....			Pkt.	Oz.
Zurich.....			50	4.00	" Fireball.....			40	\$1.75
Splendens.....			25	1.25	" Pink.....			40	1.75
King of Carpets.....			50	3.00	" Snowball.....			40	1.75
BEGONIA.					" Mixed.....			40	1.25
Vernon.....			25	2.50	PYRETHRUM.				
Gracilis Luminosa.....			40		Aureum.....			10	.25
" Prima Donna.....			50		THUNBERGIA.				
" Rosea.....			30		White with Dark Eye.....			15	.60
" Alba.....			30		Buff with Dark Eye.....			15	.60
CENTAUREA.					Orange with Dark Eye.....			15	.60
Gymnocarpa.....	1000 seeds, 15c.			.40	Mixed.....			15	.50
Candidissima.....	1000 seeds, 30c.			.75	ASPARGUS.				
COBÆA SCANDENS.					Plumosus Nanus (Greenhouse Grown)				
Purple.....			10	.40	100 seeds, 50c.; \$3.75 per 1000 seeds;				
White.....			25	.75	5000 seeds, \$18.00; \$34.00 per 10,000				
LOBELIA.					seeds.				
Crystal Palace Compacta.....			30	1.25					

Send for our Flower Seed Order Sheet. It's very handy to order your Flower Seeds from this order sheet.

HENRY F. MICHELL COMPANY
518 Market Street - - - Philadelphia, Pa.

W. J. PALMER WINS.

In the proceedings started by William J. Palmer, Buffalo, N. Y., to compel the state to make an appraisal of plants destroyed by state inspector because they were affected, as alleged, by gipsy and brown-tailed moths, Justice Marcus directed the jury to find in favor of Mr. Palmer. The state plans to appeal from the order. Rebadow & Ladd represented Mr. Palmer and Henry W. Killeen, the state.

Inspectors of the state found a consignment of azaleas at Mr. Palmer's Lancaster greenhouses infested with the moths and destroyed the whole. The statute under which they were destroyed makes it necessary for the owner to start proceedings of this character if he wishes to establish his claim that the plants were wrongfully destroyed.

BOOMING THE SHOW.

W. C. Rickards, Jr., now traveling for Charles H. Totty, is in Lenox, Mass., headed east, and reports all the private gardeners enthusiastic and making great preparations for the coming International Flower Show at New York.

Many of the familiar Christmas decorations which have been used for generations will disappear this year, as the result of a decision of the New York Board of Underwriters. A letter has been sent this week to every holder of a fire insurance policy in this city, which reads:

"Your attention is called to the fact that the introduction about premises of Christmas greens and other inflammable materials, such as cotton to represent snow, constitute an additional fire hazard and will not be permitted."

APPRECIATED.

HORTICULTURE:

Enclosed find check for five dollars in advance for five years' subscription for HORTICULTURE. Please send me from last Saturday's edition.—C. C. W., New Jersey.

A NOVELTY WITHDRAWN TILL NEXT YEAR.

H. F. Michell Co., Philadelphia, are sending out the following letter:

The sale of plants of our new geranium, "Helen Michell," of which we announced the dissemination for January, 1913, has eclipsed our expectations to such a degree that the orders now booked exceed by a very great number the plants available, even if our dissemination extended until quite late in the Spring of 1913.

In order to do justice to all, and to the geranium itself, we have decided to withhold the dissemination until January, 1914, and we have therefore booked your order for delivery at that date. In this manner, all orders booked up to time of shipping date will be filled promptly. You will receive this geranium as early as any other grower in the country and no one will, by this deferment, be placed at a disadvantage.

Our prize offer announced in connection with the National Flower Show at New York has been withdrawn, but will be renewed for an exhibit in 1914, date and place to be announced in ample time to allow preparations for competition, when all who desire can participate.

Yours very truly,

HENRY F. MICHELL CO.



Roses, Carnation Plants, Seeds, Bulbs

Send us your wants. We will take care of them. We supply stock at market price.

Catalogue for the asking

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Lilium Myriophyllum Lilium Sargentiae

The bulbs of these magnificent new Lilies are now ready for delivery. For the best results next year, they should be planted at once.

Price \$1.50 each, \$15.00 per doz.

R. & J. Farquhar & Co.
Boston, Mass.

FINE STOCK PLANTS

ASPARAGUS PLUMOSUS and ASPARAGUS SPRENGERI.

From 2¼ inch pots, \$3.00 per C. \$25.00 per M.

Smilax, from 2¼ inch pots, \$2.00 per C. Single Bedding Hyacinths.

White, Red and Blue, \$1.60 per C.; \$15.00 per M.

To secure these prices mention this Paper.

James Vick's Sons
ROCHESTER, N. Y.
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GARDEN SEED

BEEF, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

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Growers for Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

SOLANUM CAPSICASTRUM MELVINI

A MONEY MAKER FOR THE HOLIDAYS

(Introduced by us last season)

Dwarf, bushy plants, 12 to 15 inches high, covered with brilliant scarlet, conical shaped berries, carried well above the foliage.

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Silver Medal by Society of American Florists.

Bronze Medal by Newport Hort. Society.

First Class Certificate by Mass. Hort. Society.

First Class Certificate by Gardeners' and Florists' Club of Boston.

First Class Certificate by National Gardeners' Association.

Sow Seeds in Jan. or Feb. for next Christmas.

Single pkt. 25c. 5 pkts, \$1.00
10 pkts. \$1.50 100 pkts. \$12.50

ORDER NOW AS SEED IS LIMITED

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\$10.00 per 1000 (in 1000 and 3000 cases)

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High Grade Cut Blooms**

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Best Service—Quick Delivery—Modest Prices
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All Orders Given Prompt and Careful Attention

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FLOWER CO.**

Kansas City, . . . Mo.

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"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
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ST. PAUL, MINN.

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You can with entire confidence
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livered on Christmas or New Year's
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cities and towns represented by
the advertisers in these pages. The
florists whose cards appear here are
without exception leaders in their
respective localities and are de-
pendable. Give them your transfer
business.

A SWINDLER CAUGHT.

Miss Belle Anderson, manager of
the flower store of Fred W. Griffin,
10525 Euclid avenue, accomplished the
arrest Dec. 9, of the bogus doctor who
had swindled a number of East End
florists. A man representing himself
to be Dr. Mitchell, at 2246 E. 107th

STEAMER DEPARTURES

American.

St. Louis, N. Y.-S'hampton...Dec. 21
Phila., N. Y.-Southampton...Dec. 28

Atlantic Transport.

Minneapolis, N. Y.-London...Dec. 28
Minnebaha, N. Y.-London...Jan. 4

Allan.

Sicilian, Boston-Glasgow....Jan. 2

Cunard.

Lusitania, N. Y.-Liverpool...Dec. 24
Campania, N. Y.-Liverpool...Dec. 31
Laconia, N. Y.-Mediter'n...Jan. 4

Hamburg-American.

Pres. Lincoln, N. Y.-H'mb'rg...Dec. 28
Amerika, N. Y.-Hamburg...Jan. 4

North German Lloyd.

G. Washington, N. Y.-Br'm'n...Jan. 4

Red Star.

Vaderland, N. Y.-Antwerp...Dec. 25
Lapland, N. Y.-Antwerp...Jan. 1

White Star.

Cedric, N. Y.-Liverpool....Dec. 26
Majestic, N. Y.-S'hampton...Dec. 28
Cymric, Boston-Liverpool...Dec. 31
Celtic, N. Y.-Liverpool....Jan. 4

street, telephoned for a bunch of
roses, requesting that the messenger
be supplied with the change for \$10.
Miss Anderson, being suspicious, noti-
fied the E. 105th street station.

Sergeants Kiehl and Creegan fol-
lowed the messenger boy. When he
reached the place on E. 107th street
a well-dressed young man hailed him,
took the dummy package and was
about to hand the boy an empty en-
velope. The sergeants pounced on
him.

At the station house he gave the
name of William Hewiat and said he
had been living at a down-town hotel.
He confessed to have swindled the
Penn Square Floral Company on Fri-
day night out of \$5 and on Saturday
night the Hough Avenue Floral Com-
pany, on Hough avenue, near Craw-
ford road. He was charged with ob-
taining money under false pretenses.—
Cleveland (O.) Leader.

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part of the United States, Canada, and
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Albany, N. Y.—The Rosery, 76 Maiden
Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Ed. MacMulkin, 194 Boylston St.
Boston—Penn, the Florist, 37-43 Brom-
field St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Philip L. Carbone, 342 Boylston
St.

Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.

Detroit, Mich.—Florists' Telegraph De-
livery Association.

Kansas City, Mo.—Samuel Murray, 912
Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.

New York—George M. Stumpp, 761 Fifth
Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St.
and Madison Ave.

New York—Alfred T. Bunyard, 413 Madri-
son Ave.

New York—Bloomingdale's.
Providence, R. I.—Johnston Bros., 38
Dorrence St.

Providence, R. I.—T. J. Johnston & Co.,
171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main
St., West.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

San Francisco, Cal.—The California
Florist, 344-346 Geary St.

San Francisco, Cal.—Pelicano, Rossi &
Co., 123 Kearny St.

Schenectady, N. Y.—J. C. Hatcher.
St. Paul—Holm & Olson, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Wellesley, Mass.—Tailby.

Worcester, Mass.—H. F. A. Lange.

NEW FLOWER STORES.

Hackensack, N. J.—Lehnig & Win-
nefeld.

Jacksonville, Fla.—James P. Hill,
Cohen Building.

Hartford, Conn.—Bon Ton Flower
Shop, Asylum street.

Syracuse, N. Y.—Chester A. Harris,
205 East Jefferson street.

Milwaukee, Wis.—Walter Hummel,
Third street and Reservoir.

Los Angeles, Cal.—The Superior
Nursery, 4309 Central avenue.

Lynchburg, Va.—Lynchburg Flower
Shop, H. L. Lauscher, proprietor.

Evansville, Ind.—Julius Niednagel &
Sons, Intermediate Life Building.

Brandon, Man., Canada—Peter Lar-
son & Co., Strathcona Block, Tenth
street.

Canandaigua, N. Y.—Burrell T. Cap-
pon, Hubbell Building, Chapin street,
branch store.

New York, N. Y.—John J. Foley,
226 Bowery, has moved to 230 Bowery.

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"Penn. The Telegraph Florist"
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37-43 BROMFIELD STREET

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From "THE" Florists' Supply House of America

H. Bayersdorfer & Co., "The Florists' Supply house of America," extend most cordial greetings to all their customers and friends and wish each and every one

The Compliments of the Season

A Merry Christmas and a Happy New Year! They also wish to extend a special word of thanks for the generous and cordial support given them during the past year. The season just coming to a close has been

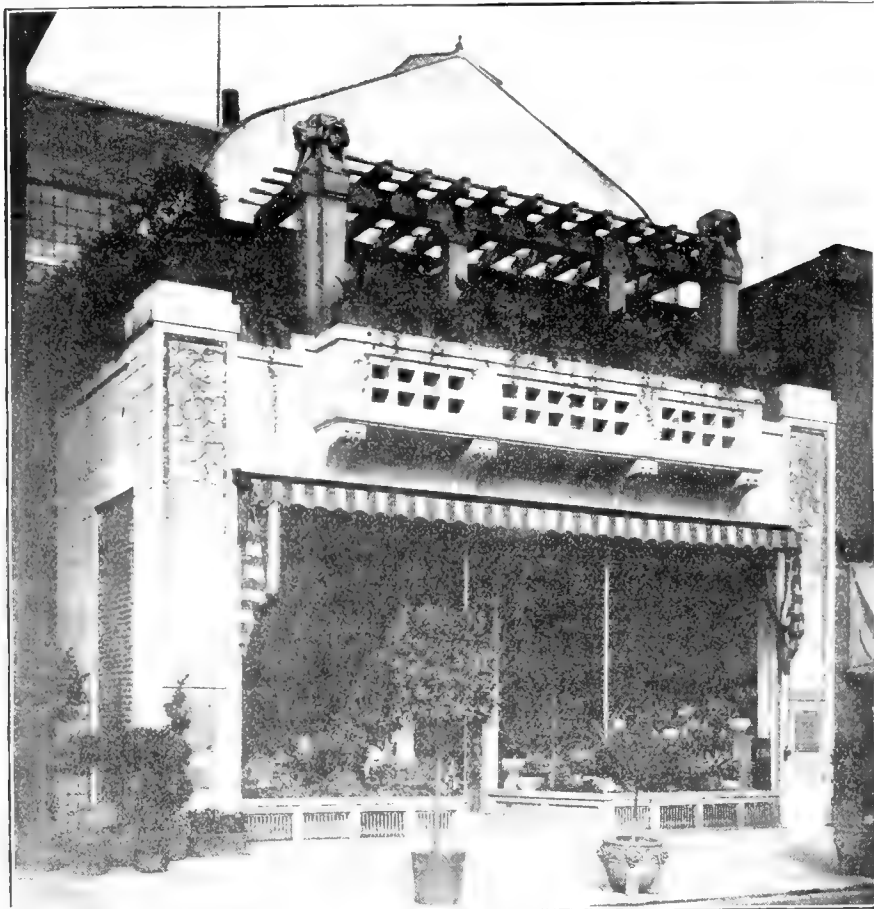
The Banner Year

in their history. Bigger business; Better business; and Busier business than ever before! They thank one and all most sincerely for their appreciation; and are girding up their loins for still more progress—and mean to make the record of 1913 **newer, better, and bigger** for every florist in America. Watch out for new developments.

H. BAYERSDORFER & CO.

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NEW STORE OF L. BEMIS FLORAL CO., EXTERIOR

A MODEL FLOWER STORE.

The two accompanying pictures show exterior and part of the interior of the new floral establishment of the L. Bemis Floral Co., Albert Pochelon, at Detroit, Mich.

The store is 32 ft. front by 60 ft. deep. The stairway leads up to a conservatory of the same dimensions. In the rear of store is the shipping room and garage 32x40 and under this room the heating and cooling machinery and carpenter shop are located. Under the store they have a basement with reserve ice boxes and work tables. This basement runs all the way under a glass block sidewalk which gives daylight in the basement.

Above the store is the conservatory which is of Pierson U. Bar construction. In the rear of same is a show room for fancy dishes and office. This room is also 40x32, being just above the garage. Above this room are two more floors of same size one of these being devoted entirely to natural prepared or artificial goods, fancy supplies, etc.

The whole building is a steel frame with concrete floors and roof, absolutely fire proof and has electric push button elevator service all the way through. You may turn the hose on at the top floor and wash down to the basement and the water will drain off everywhere.

The store floor is in different shades of brown, all tiles being 6x9 with small green inserts of rose leaves and flower design. The ice boxes on the store floor are 32 feet long and 5 ft. deep divided into three sections.

We have a view in the conservatory which we are holding for next week.

HART MAKES HANDLES FOR POTS

With Paper or Porto Rican Mats They Make Baskets. These are the Well-Known HART'S HANDY HANDLES.

Shipments are being made now for Holiday use eastward to Boston, westward to San Francisco—and everywhere else. Once used, always used, because they are SO HANDY.

Prices per dozen—No. 1, \$2.50; No. 2, \$3.50; No. 3, \$4.00;
No. 4, \$5.00; No. 5, \$6.00.

GEORGE B. HART, 24 Stone St., Rochester, N.Y.

NEW YORK NOTES.

Alex S. Burns has moved from Woodside to 54 Elmhurst Ave., Elmhurst, L. I.

Very favorable reports are heard of the new scarlet carnation that is being grown extensively by A. S. Burns, Jr., Spring Valley, N. Y.

Maurice Fuld, of H. F. Michell Co., Philadelphia, is in town making arrangements for additional space for the International Flower Show. A. E. Thatcher, Bar Harbor, Me., is here interviewing Secretary John Young on similar business.

It is reported that Jacob Bracker, the carnation grower of East Williston, L. I., came to grief while trying out a new car last Saturday and both the automobile and Mr. Bracker are laid up for repairs. Mr. Bracker is vice-president of the Growers' Cut Flower Co., whose salesrooms are at 111 West 28th street.

The enterprising venture of Woodrow & Marketos in establishing a depot at 41 W. 28th street, where a full assortment of first class decorative plants may be found at all times, has demonstrated its value in this holiday time, florists from out of town, as well as local, finding it a great convenience, relieving them entirely of the time-consuming and expensive trips to greenhouses to secure stock for Christmas trade.

We noticed an excellent advertisement by Penn in the Boston Post, Dec. 14. Violets were given the place of prominence, with a cut of a bunch of same, and announcement was made of facilities for delivering holiday flowers in any part of the U. S. by telegraph. Mr. Penn makes this sort of advertising pay him well and other florists who keep themselves in seclusion are losing in equal or greater degree in consequence of their economy.

PHILADELPHIA NOTES.

The Rice field generals, A. Zirkman, R. Shoch and J. Sealley, are in off the road to help in the rush of getting out the Christmas orders; and incidentally to have a day or two with their nearest and dearest around the holidays—preparatory to "off again" the first of the year for new worlds to conquer. So great is the pressure in the order department that even the advertising manager, E. J. Bowers, has been immersed into service.

Visitors: John Radclyffe, Richmond, Virginia; Arthur E. Thatcher, Bar Harbor, Me.; R. G. Wilson, Brooklyn, N. Y.; L. E. Hoover, of Mayberry & Hoover, Washington, D. C.; Chas. Smith, Harrisburg, Pa.; H. Brown, Richmond, Va.; George Cooke, Washington, D. C.; Miss Lillian, buyer for C. E. Smith & Co., Baltimore, Md.; G. C. Personette, Washington, D. C.; C. D. Mills, Jacksonville, Fla.; Edwin A. Seidewitz, Baltimore, Md.; J. Penny-packer, Phoenixville, Pa.; Walter Fancourt, Professor of Horticulture, National Farm School Pa.; John Walker, Youngstown, Ohio.



NEW STORE OF L. BEMB FLORAL CO. INTERIOR

EVER READY POT COVER



The modern way of artistically decorating unsightly clay flower pots. Makes plants sell better as they are artistic and attractive. Inexpensive, durable and instantly applied. Made in four colors and many sizes. Sample will be sent on receipt of 10c.

Ever Ready Flower Pot Cover Co.
146 HUGHES AVE., BUFFALO, N. Y.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
553 Lake Street, Kendallville, Ind.
Mention Horticulture when you write.

BEAUTIES

You can depend on us to fill your orders for Beauties, at the lowest market prices. Our stock is extra fine, we never had them better.

White Lilac

\$1.50 per bunch.

A steady supply from now on until Spring.

Boxwood Sprays

\$7.50 per case

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner 12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR
FLORIST'S
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST. BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

HOERBER BROS.

Wholesale Growers of
Cut Flowers

WE GROW BRIDES

Greenhouses at
Des Plaines, Ill.

162 N. Wabash Ave.
CHICAGO, ILL.

POEHLMANN BROS. CO.

Cut Flowers All the Year Round

33-35-37 RANDOLPH STREET,

Greenhouses, Morton Grove, Ill.

CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	CINCINNATI Christmas Prices	DETROIT Christmas Prices	BUFFALO December 17	PITTSBURGH December 20
Am. Beauty, Fancy and Special....	75.00 to 100.00	..... to 100.00	35.00 to 40.00	30.00 to 50.00
“ “ Extra.....	50.00 to 75.00	80.00 to 90.00	25.00 to 30.00	20.00 to 25.00
“ “ No. 1	25.00 to 50.00	60.00 to 70.00	10.00 to 15.00	10.00 to 15.00
“ “ Lower Grades.....	8.00 to 20.00	10.00 to 50.00	6.00 to 8.00	6.00 to 8.00
Killarney, Richmond, Maryland...	4.00 to 20.00	10.00 to 35.00	6.00 to 15.00	4.00 to 10.00
Bride, Maid	4.00 to 20.00	8.00 to 25.00	4.00 to 8.00	..... to
Hillingdon, Ward, Melody	4.00 to 20.00	8.00 to 30.00	6.00 to 15.00	4.00 to 10.00
Taft, Sunburst	4.00 to 20.00	8.00 to 25.00	6.00 to 15.00	4.00 to 10.00
Carnations.....	6.00 to 10.00	6.00 to 12.00	3.00 to 6.00	3.00 to 5.00
Cattleyas.....	..... to 50.00	..... to 50.00	50.00 to 75.00	50.00 to 75.00
Lilies, Longiflorum	12.50 to 15.00	12.50 to 15.00	10.00 to 12.50	10.00 to 12.00
Lily of the Valley .....	..... to 4.00	..... to 4.00	3.00 to 4.00	3.00 to 4.00
Paper White Narcissus.....	..... to 3.00	3.00 to 4.00	2.00 to 3.00	3.00 to 4.00
Stella .....	..... to 1.00	2.00 to 3.00	1.00 to 1.25	1.00 to 1.50
Violets .....	..... to 1.00	1.50 to 2.00	1.00 to 1.25	.75 to 1.00
Daisies .....	..... to .....	..... to	1.00 to 2.00	1.00 to 2.00
Sweet Peas .....	.75 to 1.50	..... to 2.00	.75 to 1.00	.75 to 1.50
Gardenias .....	..... to .....	..... to	40.00 to 50.00	..... to
Adiantum .....	..... to 1.00	1.00 to 1.50	.75 to 1.50	1.00 to 1.25
Smilax .....	..... to 12.50	..... to 12.50	15.00 to 20.00	..... to 15.00
Asparagus Plumous, Strings (100) ..	..... to 50.00	..... to 35.00	40.00 to 60.00	..... to 50.00
“ “ & Spreng. (100 bchs.)..	20.00 to 25.00	25.00 to 35.00	35.00 to 50.00	40.00 to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

CHICAGO CARNATION COMPANY

A. T. PYFER, Manager

30 East Randolph Street,

CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH
AND LAKE STREETS, **CHICAGO**

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

GEORGE B. HART

WHOLESALE FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

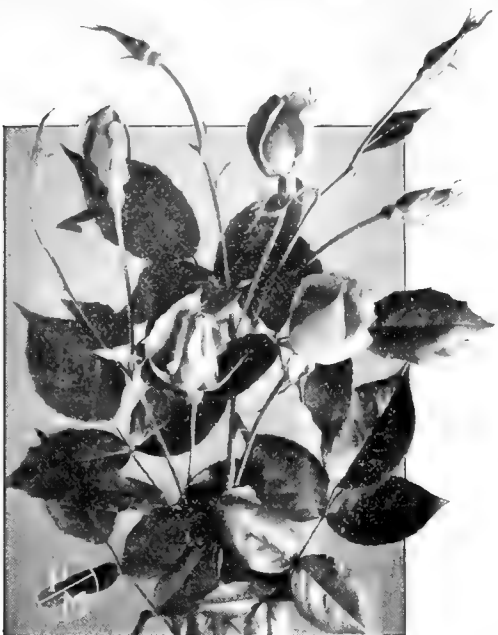
WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati.

IRISH FIRE FLAME

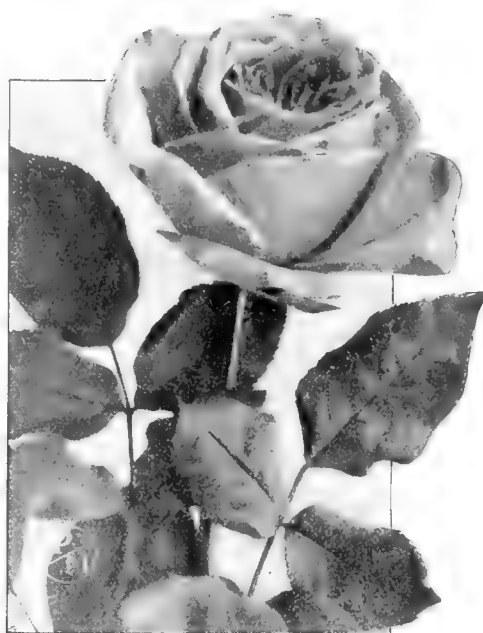


The dainty new Single Rose, trimmest and sweetest little kind ever seen—and well named as to its lovely color. A Dickson seedling of strong, vigorous growth, very free, particularly during the winter; color fiery crimson, shading to a rich orange salmon at the base; foliage a dark green, reverse side of leaf deep bronze; a distinct novelty; nothing to compare with it; a new departure in Roses; beautiful and charming; a favorite wherever shown.

MRS. CHARLES RUSSELL

A New American Pedigree Seedling

Of American Beauty size and fragrance; color a lighter cerise that does not fade to blue but to a lighter rose as the flowers age; a strong, vigorous grower; good heavy stems; flowers carried erect; no weak necks; no blind wood like Beauty; very prolific—remarkably so, considering its size. As tested in the various shows over the country this Fall, it has proven a wonderful keeper and established itself at once as a Rose of unusual merit, creating a sensation wherever shown, and attracting not only the commercial man, but the public as well.



Good Strong Healthy Plants of these Varieties, Guaranteed Stock

	DOZ.	25	50	100	250	1000
OWN ROOT . . .	\$6.00	\$10.00	\$17.50	\$30.00	\$70.00	\$250.00
GRAFTED	7.50	12.50	20.00	35.00	82.50	300.00

We can also supply Cut Blooms of Fire Flame at any time at \$12.00 Per 100

GUARANTEED ROOTED CARNATION CUTTINGS
NORTHPORT and WM. ECCLES, \$12.00 per 100; \$100.00 per 1000

RIBBONS AND SUPPLIES; Many new patterns in exclusive Ribbons. Write us for prices on these and Supplies.

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA
1608-1620 Ludlow Street

NEW YORK
117 West 28th Street

WASHINGTON
1216 H St. N. W.

Flower Market Reports

BOSTON Things are very quiet at present in this market. Let us hope that it is only "the calm before the storm"—a storm of business that will clean up every plant and every vestige of a flower in greenhouse, market and store! Prices asked are somewhat higher on some things than is usual so long ahead of the Christmas call. This applies particularly to carnations. The sale of these has declined noticeably, undoubtedly due in part to the fact that the price demanded makes the retail dealer reluctant to buy unless it is absolutely necessary and there is an abundance of other things that can usually be substituted in made-up work. On roses there is very little change. They appear to be in ample supply for all needs. Hillingdon has stiffened up some in price and American Beauty has advanced to \$6.00 and \$7.00 a dozen for those of highest quality and fine finish, but none other than these can approach these figures. Violets are up in price and there are not many offered this week, although there is a sufficiency for the small demand encountered.

WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON December 19	CHICAGO December 17	ST. LOUIS December 17	PHILA. December 3
Am. Beauty, Fancy and Special. . .	40.00 to 60.00	75.00 to 100.00	50.00 to 75.00	30.00 to 35.00
" " Extra.	20.00 to 30.00	60.00 to 75.00	25.00 to 35.00	20.00 to 25.00
" " No.	10.00 to 15.00	40.00 to 50.00	15.00 to 20.00	15.00 to 18.00
" " Lower Grades.	5.00 to 8.00	25.00 to 40.00	2.00 to 3.00	8.00 to 12.00
Killarney, Richmond, Maryland. . .	2.00 to 10.00	12.00 to 20.00	6.00 to 10.00	4.00 to 10.00
Bride, Maid.	1.00 to 6.00	6.00 to 15.00	5.00 to 6.00	4.00 to 8.00
Hillingdon, Ward, Melody.	2.00 to 10.00	6.00 to 15.00	8.00 to 10.00	5.00 to 12.00
Taft, Sunburst.	2.00 to 10.00	6.00 to 15.00	8.00 to 10.00	6.00 to 12.00
Carnations.	2.00 to 8.00	6.00 to 10.00	3.00 to 8.00	3.00 to 5.00
Cattleyas.	40.00 to 100.00	50.00 to 75.00	50.00 to 75.00	60.00 to 75.00
Lilies, Longiflorum.	6.00 to 10.00	12.00 to 15.00	12.00 to 15.00	10.00 to 12.00
Lily of the Valley.	1.00 to 4.00	1.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Paper White Narcissus.	2.00 to 10.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00
Stevia.	1.00 to 1.50	1.50 to 1.50	1.50 to 2.00	1.00 to 1.50
Violets. . . . .	.40 to 1.00	.75 to 1.00	.75 to 1.00	1.00 to 1.50
Daisies.	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.50 to 2.00
Sweet Peas. . . . .	.50 to 1.00	1.00 to 1.25	1.00 to 1.50	1.00 to 1.50
Gardenias.	20.00 to 35.00	15.00 to 50.00	10.00 to 20.00	20.00 to 30.00
Adiantum.	1.00 to 1.25	1.00 to 1.25	1.00 to 1.25	1.00 to 1.50
Smilax.	10.00 to 15.00	15.00 to 20.00	12.00 to 15.00	12.00 to 15.00
Asparagus Plumosus, Strings (root). . .	40.00 to 50.00	40.00 to 60.00	35.00 to 50.00	35.00 to 50.00
" " & Sprengelii.	25.00 to 50.00	35.00 to 50.00	10.00 to 12.00	10.00 to 15.00

ered. No doubt there will be plenty of them next week as well as heaping counters of bulbous stock, stevia, sweet peas, etc. The question of Christmas quality on most things, particularly roses, depends much upon the sort of weather handed out to us for the next few days. Up to time of going to press with this paper it is warm, with fog and rain.

The days are nearing the holiday season and things are beginning to look as if another good hustle will soon be on. Holly is coming in, also decorating material, in good supply, and to date has had a good sale and the demand constantly growing. The merchants are busy in making up

Continued on Page 878

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone. 3870 or 3871 Madison Square.

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. NEW YORK
Telephones: 2200, 2201, Madison Square.

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 756
Madison Square New York

WM. P. FORD
Wholesale Florist
107 W. 28th Street, NEW YORK
Call and inspect the Best Establishment
in the Wholesale Flower District.

ROBERT J. DYSART
PUBLIC ACCOUNTANT AND AUDITOR
Simple methods of correct accounting—
especially adapted for florists' use.
BOOKS BALANCED AND ADJUSTED
Merchants Bank Building
40 STATE ST. - - - - BOSTON
Telephone, Main 58

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe,
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. {1519
5893} Mad. Sq. 113 W. 28 St., New York.

REED & KELLER
122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby Pl., Brooklyn, N. Y.

Wired Toothpicks
Manufactured by
W. J. COWEE, Berlin, N. Y.
10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers.

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes LARGEST GROWERS
by the 100, 1000 or 10,000 The HOME OF THE LILY
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

Established 1887 **J. K. ALLEN** Still Going Strong
OLDEST IN YEARS BUT UP-TO-DATE IN SERVICE
Cut Flower Consignments Solicited.
A SQUARE DEAL. PROMPT RETURNS. MONEY ALWAYS READY.
106 WEST 28TH ST., NEW YORK
Open 6 A. M. daily. Telephone, 167 and 4488 Mad. Sq.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
Tel. 759
JAMES McMANUS, Mad. Sq. 105 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Dec. 14 1912		First Half of Week beginning Dec. 16 1912	
American Beauty, Fancy and Special	25.00	to 50.00	25.00	to 40.00
" " Extra	20.00	to 25.00	20.00	to 25.00
" " No. 1	8.00	to 15.00	10.00	to 12.00
" " Lower Grades	1.00	to 6.00	4.00	to 6.00
Killarney, Richmond, Maryland	4.00	to 8.00	3.00	to 12.00
Bride, Maid	2.00	to 6.00	3.00	to 8.00
Hillingdon, Ward, Melody	4.00	to 10.00	4.00	to 15.00
Taft, Sunburst	3.00	to 12.00	4.00	to 15.00
Carnations	3.00	to 6.00	2.00	to 8.00

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones {1664
1665} Madison Square CONSIGNMENTS SOLICITED

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF
THE FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., N. Y.
Telephone 7062 Madison

Telephone 3860 Madison Square
WOODROW & MARKETOS
WHOLESALE
Plantsmen and Florists
41 West 28th Street NEW YORK

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**
WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH.

HENRY M. ROBINSON, Pres. MAURICE L. GLASS, Treas.
CHAS. E. ROBINSON, V.-Pres. JOSEPH MARGOLIS, Sec'y
HENRY M. ROBINSON CO.
OF NEW YORK
Wholesale Florists
Maurice L. Glass, Manager
55-57 WEST 26th ST. - - - NEW YORK CITY
Special Attention to the Shipping Trade



Flower Market Reports

(Continued from page 833)

wreaths and decorative baskets, etc., and are not seen much these days at the flower wholesalers' places. Stock is scarce on some line, particularly carnations, but there are plenty of roses, especially of the select and extra grades; shorts for floral work not being plentiful. Fine lilies, lily of the valley, peas, mignonette, Roman hyacinths, narcissi and violets are to be had in plenty. Beauties are of poor quality and the demand lacks, Richmonds being preferred. There are plenty of Bonsilenes and corsage flowers, also an oversupply of all greens.

There is nothing remarkable about the condition of the market here, in this, the last week before Christmas. There is the usual lull in business and apparently more or less of the usual holding back of stock. Christmas greens and artificial decorative stock are very much in evidence and the latter far exceeds that of any previous year. It will not be unexpected if the total sales of cut flowers are diminished by this abundance of attractive prepared material with its lasting qualities. Carnations are the only really scarce flower at this time and prices quoted for Christmas are higher than usual. Roses are expected to be in good supply, while American Beauties are claimed by some to be very abundant. There is a good assortment of other flowers, violets, lily of the valley, paper whites, etc., and plenty of green.

Should the weather continue as it is, for the next few days it will make packing a very easy problem for Christmas. The supply is only ordinary and as a whole has sold fairly well. Prices have been shaded a little and shipping business is very good. American Beauties are going to be in a nice supply for Christmas. The warm bright weather will also bring on the other varieties so that the supply will be better than was expected. Judging from the way the buyers are placing orders for colored varieties such as Richmond and Killarney these varieties will probably run very short. The supply of carnations is going to be rather limited if reports of the growers and wholesalers is any criterion. The stock coming in is limited but good. Double violets are in a good

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 76 Maiden Lane, ALBANY, N. Y.
WHOLESALE ONLY

— SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US —

Prices Right. Consignments Solicited. Telephone Connection

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELlicOTT ST. - - BUFFALO, N. Y.

MONTREAL FLORAL EXCHANGE, LTD.

ORGANIZED FOR THE BENEFIT OF THE CANADIAN TRADE.

CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION.

Home-grown Stock a Specialty. STRICTLY WHOLESALE; NOTHING SOLD AT RETAIL.

Ample reference furnished as to standing and financial ability of the company.

123 MANSFIELD STREET, MONTREAL, P. Q.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Dec. 14 1912		First Half of Week beginning Dec. 16 1912	
Cattleyas	25.00	to 50.00	25.00	to 75.00
Lilies, Longiflorum	6.00	to 10.00	6.00	to 10.00
Lily of the Valley	2.00	to 5.00	3.00	to 4.00
Paper White Narcissus	1.50	to 2.00	.....	to 2.00
Stevia	1.00	to 1.50	1.00	to 1.50
Violets .....	.50	to 1.00	.50	to 1.25
Daisies .....	.50	to 1.50	.50	to 1.00
Sweet Peas	1.00	to 2.00	1.00	to 2.00
Mignonette	3.00	to 6.00	3.00	to 6.00
Gardenias	16.00	to 35.00	20.00	to 40.00
Adiantum .....	.....	to 1.00	.75	to 1.00
Smilax	6.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings (per 100) .....	.....	to 20.00	.....	to 25.00
& Spreu (100 bunches)	8.00	to 25.00	15.00	to 25.00

supply while the singles are not coming in any too strong. Lilies are selling well and callas clean up quickly. Poinsettias are of very excellent quality.

The past week did not bring forth the activity we have been used to, but everybody is on the jump getting ready for the big holiday to come. Most every store shows new faces among the clerks which are being broken in to assist at the coming rush and lend a hand in the advance preparation. Carnations, which have been extremely scarce lately, are promising to be in larger supply than anticipated for the holidays. This is mostly due to the energy of Manager Rahaley, who left no stone unturned to get the goods here. Green stuff and other supplies, especially berries, are rushed from the wholesale house in large quantities and most of the plantsmen are sold out clean. Everything points to a most successful Christmas.

Up until Wednesday of this week—a dark and gloomy day—prices on all lines were well maintained considering the time, which is always one of extreme dullness. On Wednesday the inevitable was encount-

ered and there will be little doing until close up to Christmas unless all past records are overturned. Violets have been enjoying a little spurt and carnation prices have crept up to a good level. On roses there is a wide divergence between the market value of the best and the worst. Mrs. Shawyer is giving the American Beauty a few jolts at the present time. The outlook is for a good supply of all seasonable flowers for Christmas, with probably a little over supply of white material, especially white carnations and, of course, bulb stock.

The local florists are busy now making up their Christmas baskets and wreaths. Some of the down-town stores are very busy with debutante teas, receptions, musicales, etc., but on an average business is but slightly better than reported last week. Prices have advanced slightly and a further advance to cover the Christmas business is, of course, to be expected. There will be plenty of stock of all kinds with the exception of carnations which are not coming into the market in sufficient quantities to fill all demands. A limited supply of the new Irish Fire Flame and Milady roses are to be seen on the local market.

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Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 40 State St., Boston.
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APHINE

Aphine Mfg. Co., Madison, N. J.
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ARACARIAS

Godfrey Aschmann, Philadelphia, Pa.
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Henry A. Dreer, Inc., Phila., Pa.
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ASPARAGUS

Asparagus Sprengeri, 2 inch, \$2.00 per 100; \$18.00 per 1000. Cash please. Felsch Bros., Maywood, Ill.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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BAY TREES

McHutchison & Co., 17 Murray St., N. Y.
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Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, 31 Barclay St., New York.
For page see List of Advertisers.

Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.
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R. Vincent, Jr., & Sons Co., White Marsh, Md.
For page see List of Advertisers.

BEGONIAS

Vernon Begonias, 3 inch, in bloom, nice plants, \$3.00 per 100. Cash please. Felsch Bros., Maywood, Ill.

BOXWOOD TREES

Bobbink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees, all sizes. Ask for special list.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.

Lord & Burnham Co., 1133 Broadway, N. Y.

BOXES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BULBS AND TUBERS

Arthur T. Boddington, New York, N. Y.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Michell's Seed House, Philadelphia, Pa.
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Ralph M. Ward & Co., 71 Murray St., New York.
Horseshoe Brand Lily Bulbs.
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James Vick's Sons, Rochester, N. Y.
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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fliske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
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P. H. Goodsell, New York, N. Y.
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O. V. Zangen, Hoboken, N. J.
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R. & J. Farquhar Co., Boston, Mass.
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Bulbs of all descriptions. Write for prices.
C. Keur & Sons, Hillegom, Holland.
New York Branch, 31-33 Broadway.

BURLAP MATS

Wm. Elliott & Sons, New York, N. Y.
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CANNAS

THE IMPROVED CANNAS.
You can double your profits by stocking up with the new cannas. Be sure to get our list before you place your order. The Conard & Jones Company, West Grove, Penna.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.
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Chas. H. Totty, Madison, N. J.
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CHRISTMAS GREENS

Michell's Seed House, Philadelphia, Pa.

A. Henderson & Co., Chicago, Ill.
Holly, Bouquet Green, Immortelles.

CHRYSANTHEMUMS

A. N. Pierson, Inc., Cromwell, Conn.
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Chas. H. Totty, Madison, N. J.
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Chrysanthemum Stock Plants: Mary Col-laday (Pink Garza), \$5.00 per doz., \$35.00 per 100; Overbrook (the earliest hardy pompon yellow), \$1.50 per doz., \$10.00 per hundred. Stratford Flower Farm, Stratford, Pa.

Stock Chrysanthemum plants, Golden Glow, Pacific Supreme, White and Yellow Bonnaiffon, also other kinds, \$3.00 per 100. Cash with order or will exchange for rooted geranium cuttings. Felsch Bros., Maywood, Ill.

CHRYSANTHEMUMS—Continued

CHRYSANTHEMUM, THE. By A. Her-rington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 100 pages. Price 50 cents.

Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
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William Hoffman, Pawtucket, R. I.
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200,000 Giant Flowering Cyclamen, August seedlings. We received first prize on our blooming cyclamen at the show in Cleveland, O., and hold other first prizes. Our aim is strong growers, a well built five petal flower, with good color and fragrance, many of them at one time, well marked foliage and general good habits. Strong August Seedlings, \$2.50 per 100; \$20.00 per 1000.

What others say about our blooming plants: Mr. E. A. Corson, Rochester, N. H., Nov. 15, 1912: "Cyclamens received and am more than pleased. They are certainly fine plants and such a range of color. Arrived in good condition too."

Plants in bloom for Christmas, 75c., \$1.00, \$1.50 to \$2.00 each. Cultural directions with all orders. Christ. Winterich, Cyclamen specialist, Defiance, O.

DAHLIAS

East Bridgewater Dahlia Gardens are the largest and most up-to-date in America. Over 850,000 field clumps to offer at right prices. Be sure and send your wants to J. K. Alexander, The Eastern Dahlia King, East Bridgewater, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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John Scott, Brooklyn, N. Y.

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Woodrow & Marketos, 41 West 23th St., New York.

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DRACAENAS

Dracaena Indivisa, 2 inch, \$2.00 per 100 or \$18.00 per 1000. Cash please. Felsch Bros., Maywood, Ill.

Magnus Pierson, Cromwell, Conn.

ECHEVERIAS

Echeveria metallica, very choice succulent, red foliage, fine plants for stock or propagation, \$1.00 per dozen, \$8.00 per 100. Wm. Tricker, Arlington, N. J.

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FERTILIZERS

Elmer D. Smith & Co., Adrian, Mich.
Fertilizer.

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.
Wizard Brand Cattle Manure.
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F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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Henry A. Dreer, Inc., Phila., Pa.
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Roosevelt ferns in bench, strong 4-in.,
10c.; runners, 2c. Must be moved at once
to make room. L. E. Gunter, 811 Kansas
St., Peoria, Ill.

Fern runners, fine stock Boston, Whit-
man, Amerpohl, Springfield, \$1.80 per
100, \$15.00 per 1000. Roosevelt runners,
very fine, \$6.00 per 100, \$50.00 per 1000.
Roosevelt, 4-inch, \$15.00 per 100, 6-inch,
\$25.00 per 100. Asparagus Plumosus, 4-
inch, handsome stock, \$8.00 per 100. 50,000
sq. ft. of glass at Cleveland, O., devoted
exclusively to ferns. I have the best stock
to be had anywhere. Prices are low, for
cash only. Schneider, Florist, Springfield,
O.

FLORISTS' ENCYCLOPEDIA FREE

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H. Bayersdorfer & Co., 1129 Arch St.,
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GALAX

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Kervan Co., New York.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
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Magnus Pierson, Cromwell, Conn.

Geraniums, 2-in. Roseleur, Nutt, Dagata,
Ricard, Red Wing, Viaud, La Favorite, Col.
Thomas, Mme. Jaulin, Mme. Bisquit, Per-
kins, Oberle, Lecadre, Landry, \$2.00 per
100; \$18.50 per 1000. Claire Frenot, Hill,
Dryden, Pamela, Mrs. Annie Vincent, Poite-
vine, Double Dryden, Atlantis, Luigi Gran-
dis, Docteur Danjou, \$3.00 per 100; \$25.00
per 1000. Send for geranium catalogue
F. H. De Witt & Co., Wooster, Ohio.

GLADIOLUS

John Lewis Childs, Flowerfield, N. Y.
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A. Henderson & Co., Chicago, Ill.
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O. V. Zangen, Hoboken, N. J.
Gladiolus Peach Blossom.

Gladioli, fancy mixed, mostly light
shades, in sizes 1 to 1½ in., \$6.00 per 1000;
¾ in. and less, \$3.00 per 1000. Bulblets,
50c. per quart. Large pkt. seed, 25c. H.
E. Meader, Dover, N. H.

GLASS

Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.
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Parshelsky Bros., Inc., 215-217 Havermeyer
St., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH

Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish foods, nets,
etc., wholesale. Franklin Barrett, breeder,
4815 D St., Olney, Philadelphia, Pa. Large
breeding pairs for sale. Send for price list.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
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Frank Van Assche, Jersey City, N. J.
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Lord & Burnham Co.,
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Lord & Burnham Co.,
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GUTTERS

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King Channel Gutters.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

HAIL INSURANCE

Florists' Hall Asso. of America.
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HANDY POT HANDLES

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Standard Insecticide.
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Interstate Tobacco Co., New York, N. Y.
"Tip Top" Tobacco Powder.
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Slug Shot.
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Lemon Oil Co., Baltimore, Md.
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In writing to Advertisers kindly mention Horticulture

LILY BULBS

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New Lillies.
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(Cold Storage)
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McHutchison & Co., 17 Murray St., N. Y.
Berlin Valley Pips.
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LOBELIAS.

Magnus Pierson, Cromwell, Conn.

MARGUERITES

Marguerite plants from 5½-inch pots,
best winter flowering variety; \$6.00 per
dozen plants. Peirce Bros., Waltham, Mass.

Double Marguerite, Mrs. F. Sander, fin-
est spring and all summer bloomers,
strong plants, 2½ inch pots, \$3.00 per 100.
H. A. Maxiner, Alexandria, Ind.

MASTICA

Joseph Breck & Sons, Boston, Mass.
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NURSERY STOCK

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Thomas Meehan & Sons, Phila., Pa.
English Manetti Stocks.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

SHRUBBERY.

There are bargains to be had here in
such varieties as Spireas, Altheas, Weigelas
and Philadelphus, and this names only a
few. We have acres of shrubs, well grown
and ready for you. Write for price list.
The Conard & Jones Company, West Grove,
Penna.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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Hybrid Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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ORCHID GROWERS' MANUAL.

By B. S. Williams, 300 illustrations, 800
pages; descriptions of upwards of 2500
species and varieties of orchidaceous
plants, etc. The most complete work on
Orchids and Orchid Culture ever pub-
lished. Price \$10.00.

Orders filled by HORTICULTURE, 11
Hamilton Place, Boston.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

Peonies. The world's greatest collection,
1200 sorts. Send for list. C. Betscher,
Canal Dover, O.

PIPE HANGERS

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PLANT POTS AND PEDESTALS

Jones, McDuffee & Stratton Co.,
Boston, Mass.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises.
H. D. Seele & Sons, Elkhart, Ind.

Plant Trellises and Stakes. P. A. Angler
& Co., Westboro, Mass.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIVET

Amoor River North: The hardiest privet
grown, 12 to 18 inch, \$2.00 100; 18 to 24
inch, \$3.00 100. Valdesian Nurseries, Bos-
ton, N. C.

California Privet, well grown, 2-year-old
plants, from 12 inches to 3 feet; well fin-
ished plants, well graded and well packed.
Also one and two-year-old Ampelopsis
Veltchil. For prices and particulars ad-
dress Charles Black, Hightstown, N. J.

RAFFIA

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Leonard Seed Co., Chicago, Ill.
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Everett B. Clark Seed Co., Milford, Conn.
For page see List of Advertisers.

Brasian Seed Growers Co., San Jose, Cal

SEEDS

Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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R. & J. Farquhar & Co., Boston, Mass.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
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S. S. Skidelsky & Co., Philadelphia, Pa.
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Arthur T. Boddington, New York.
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SEEDS—Continued

J. Bolgiano & Son, Baltimore, Md.
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The Haven Seed Co., Santa Ana, Cal.
Tomato Seed.
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James Vick's Sons, Rochester, N. Y.
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S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
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Loechner & Co., New York, N. Y.
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T. J. Grey Co., 32 So. Market St., Boston.
Solanum Capsicastrum Melvinii.
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P. Hamilton Goodsell, New York, N. Y.
Grass Seed.
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S. D. Woodruff & Son, New York, N. Y.
Garden Seed.
For page see List of Advertisers.

Oklahoma Seed Growers' Co., Enid, Okla.
Surplus List of Melon Seed.
For page see List of Advertisers.

Beaulieu, Woodhaven, N. Y.
Importers of Best French Seeds.
For page see List of Advertisers.

Peter Henderson & Co., New York, N. Y.
Everything for the Garden.

SEED PACKETS.

Brown Bag Filling Machine Co., Fitchburg, Mass.
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SLUG SHOT

B. Hammond, Fishkill-on-Hudson, N. Y.
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SPHAGNUM MOSS

J. H. Sprague, Barnegat, N. J.
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Sphagnum Moss, large bales. Green Moss in bbls. Laurel Bunches and Broken Laurel. James Day, Milford, N. H.

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPIREAS

Breck-Robinson Nursery Co., Lexington, Mass.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

STOVE PLANTS

Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

TIP TOP TOBACCO POWDER

Interstate Tobacco Co., Inc., 1397-1399 Ave. A, New York, N. Y.
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VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
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Quaker City Machine Works, Richmond, Ind.
20th Century Arm.
For page see List of Advertisers.

VINCAS

Fine rooted vinca cuttings, 2 and 4 eyes. 65c. per 100; \$6.00 per 1000. Cash, please. Ready now. Engle Floral Co., Xenia, O.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 23-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
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Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
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Welch Bros. Co., 226 Devonshire St.
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H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

Peter Reinberg, 37 Randolph St.
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Poehlmann Bros. Co., Morton Grove, Ill.
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J. A. Budlong, 37-39 Randolph St.
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Chicago Flower Growers' Association, 176 N. Michigan Ave.
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Chicago Carnation Co., 30 E. Randolph St.
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Hoerber Bros., Chicago, Ill.
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Cincinnati, Ohio

The J. M. McCullough's Sons Co., 316 Walnut St.
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Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
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Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
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New York

M. C. Ford, 121 W. 28th St., New York.
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H. E. Froment, 57 W. 28th St., New York.
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E. C. Horan, 55 W. 28th St., New York.
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James McManus, 105 W. 28th St., New York.
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W. F. Sheridan, 133 W. 28th St., New York.
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Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
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Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.
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Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
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Charles Millang, 55 and 57 West 26th St.,
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P. J. Smith, 49 West 28th St., N. Y.
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W. P. Ford, New York.
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Traendly & Schneek, New York, N. Y.
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The S. S. Pennock-Meehan Co., 117 West 28th St.
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Frank Millang, 55-57 West 26th St.
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Badgley, Riedel & Meyer, Inc., New York.
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WHOLESALE FLORISTS

New York—Continued

Woodrow & Marketos, 41 West 28th St.
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Henry M. Robinson Co., New York, N. Y.
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J. K. Allen, New York, N. Y.
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Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
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The S. S. Pennock-Meehan Co., 1806-12 Ludlow St., Philadelphia, Pa.
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Rochester

George B. Hart, 24 Stone St.
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Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
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New Offers in This Issue**CHRISTMAS GREETING.**

Frank Oechslein, Chicago, Ill.
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CHRYSANTHEMUMS, GERANIUMS.

Elmer D. Smith & Co., Adrian, Mich.
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DOUBLE PETUNIAS.

Henry A. Dreer, Inc., Phila., Pa.
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GLADIOLUS.

A. Henderson & Co., Chicago, Ill.
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IMP SOAP SPRAY.

Eastern Chemical Co., Boston, Mass.
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NEW CROP FLORISTS' FLOWER SEEDS.

Henry F. Michell Co., Phila., Pa.
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NEW ROSES, ROOTED CARNATION CUTTINGS.

S. S. Pennock-Meehan Co., Phila., Pa.
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ONION SEED AND SETS.

Schilder Bros., Chillicothe, O.
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POTASH.

German Kali Works, New York, N. Y.
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RETAIL FLORISTS.

Hall & Robinson, Montreal, P. Q., Can.
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ROSES, CARNATION PLANTS, SEEDS.

S. S. Skidelsky & Co., Phila., Pa.
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SPIREA GLADSTONE.

O. V. Zangen, Hoboken, N. J.
For page see List of Advertisers.

A useful Holiday Gift for your friend or employee. A year's subscription for

HORTICULTURE

Do It and be Happy

In writing to Advertisers kindly mention Horticulture

Flower Market Reports

(Continued from page 870)

PHILADELPHIA Usually the week before the holidays is not looked forward to with much anticipation of brisk business. Last week proved an exception to the general rule. The demand was active all along the line and prices advanced considerably on many items. This was especially true of carnations. These were easily the feature of the market and were quite scarce in the face of a brisk demand. Consequently the divine flower was much more in the limelight for the time than the queen of flowers—something which does not often happen. But if there's a lack in quantity nothing of that can be said of the quality which is very good. In addition to the regular leaders Mrs. Ward and Pink Delight, the list has been further supplemented by some extra choice White Wondar and Gloriosa. In the advance bookings for Christmas week, Beacon is the leader and is being engaged freely even at the stiff figures asked. American Beauty and other roses are plentiful and good but the demand has been draggy compared with other things except perhaps on White Killarneys which are a little scarce and move on sight. Good cattleyas are in short supply; plenty of cypripediums. Also a fair assortment of the lesser known orchids. There is a fair supply of the cut poinsettia of the usual excellent quality. The demand seems to have fallen off a little of late years on this item, the buyers leaning more and more to the potted plants in this grand Christmas specialty. Holly and other Christmas greens and reds moving now with a rush; regular land-office scramble.

The market the last week had plenty of everything but the demand was not satisfactory to the commission men, and during the dull days the prices lowered somewhat. This is always the case just before the holidays. The elegant weather of late has had a good effect on stock in cut flowers and plants which, if it continues, will make stock of all kinds good and plentiful for Christmas, and prices reasonable. Roses have been somewhat off color of late, especially Killarney. Carnations are coming along fine. The local growers say that violets, Roman hyacinths, paper whites, lily of the valley, lilies and poinsettias will be quite plentiful up to Christmas, and a good holiday trade is assured.

NEWS NOTES.

Washington, D. C.—George Schaffer has leased the new store opposite to the one in which he is now located and may be expected to take possession shortly after the holidays.

Elmer C. Mayberry, of the firm of Mayberry & Hoover, accidentally shot himself, tearing off a portion of the large toe on the left foot, while hunting near Upper Marlboro, Md., Thursday afternoon, Dec. 12, and on Saturday last underwent an operation for the amputation of the big toe of his left foot at George Washington University Hospital.

Jesse King, of Mt. Airy, Md., was a visitor last week.

CHICAGO NOTES.

Frank Oechslein had all his plants on the order list before Christmas week including all the usual blooming plants, azaleas, poinsettias, cyclamen, begonias, etc., as well as decorative stock.

Many new styles of baskets and new ways of filling them were brought out by Tom MacAllister of A. Lange's. One, noticed in particular, was a pitcher plant which is a novelty in Christmas plants here.

A. Lange has secured an extra room for his Christmas stock on the second floor, where plenty of tables afford good opportunity for handling plants. Some beautiful eastern plant stock for filling baskets arrived in perfect condition.

Phil Eichling had a new idea in a window novelty which took well with the patrons of Harry Rowe's store. He used large Japanese pine cones, with bits of moss inserted between the parts of the cone and then inserted statice in delicate shades suspending the cone with narrow ribbon.

Ardesias are not quite so much in evidence this year as formerly but those seen are well-berried. It is hard to evolve new ideas in plant decorations, but nevertheless the festooning of the stately little araucarias with ribbon is being overdone.

A. L. Vaughan & Co., secured a shipment of California or desert holly for the holiday trade. This comes so heavily berried that express is a big item, but it certainly is very attractive. The clusters resemble mountain ash more than holly, though the leaf is different. It sold for \$35 per 100 lbs.

It is remarkable how red ruscus has leaped into favor. Last year it was no longer a novelty but a few pounds were enough for any firm. This year it is queen of the market. Everywhere it is the standby of the window trimmer whether florist or in a department store and it is made up into wreaths, fashioned into bouquets and used in homes, churches and cemeteries. This will have some effect, no doubt, on the total sales of cut flowers but the florists have led the way in the general use of the ruscus and offer it in very attractive colors. It is a season of artificial decoration everywhere and some of the larger department stores are using none of the live goods this year for the first time. Some of the florists have their windows so beautifully decorated without any cut flowers that it is rather too suggestive of the possibility of a Christmas without flowers.

For several years Wm. J. Smyth, who has one of the finest retail stores in Chicago, has had an annual mishap either to himself or the store and more often it came at the holiday season. Twice has an automobile crashed through the immense windows at 31st and Michigan avenue just when the Christmas plants and flowers filled them and once a wind storm blew one of them in. Just at Easter two years ago Mr. Smyth met with a serious accident which kept him from business several months. This year is not without its record and Mr. Smyth is in St. Luke's hospital with a fractured hip, caused by falling on a slippery board in his garage, Friday, Dec. 13. At this writing he is doing well and the store

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

STOREMAN, able to take charge and make up. Must have references as to honesty and sobriety. Steady job. Address, stating wages expected, etc., H. W., care HORTICULTURE.

SITUATIONS WANTED

WANTED TO REPRESENT

A first-class nursery firm in New England states by an energetic, middle-aged man; life-long experience in different branches of horticulture; willing to fill up time in any department. None but a good position considered. Address A. B., HORTICULTURE.

POSITION WANTED as Superintendent or Caretaker of private estate by experienced man who understands gardens and garden-making, farming stock, road-making, draining and grading, moving of large trees and shrubbery, concrete construction and installation of sanitary sewage disposal and management of men. Address P. O. Box 484, Stamford, Conn.

SITUATION WANTED by young man well trained in bedding plant and general retail florist business. Is good designer. Aged 23. Not married. Prefers New England territory. E. W., care HORTICULTURE.

WANTED, by gardener or general superintendent, position on private estate. Experienced in all branches; good references. Eight years in last position. Wm. D. Nickerson, 105 Harvard St., Brookline, Mass.

FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

force declare they have become so used to holiday happenings that there will be no less attractions to offer for the holiday and each man will do his best to make the business a record breaker.

Visitors—F. W. Hackenkamp, Jr., Quincy, Ill.; Paul O. Beyer, South Bend, Ind.; H. Holz, Hammond, Ind.; Mr. Young, of C. Young & Sons Co., St. Louis, Mo.

STATEMENT OF OWNERSHIP, MANAGEMENT, ETC., OF HORTICULTURE.

As Required by the Act of Congress, August 24th, 1912.

Publisher—Horticulture Publishing Co., Boston. Editor and Business Manager—Wm. J. Stewart. List of stockholders holding one per cent. or more of total amount of stock W. W. Castle, N. F. Perkins, Wm. J. Stewart, J. K. M. L. Farquhar, P. Welch, David Welch, of Boston, Mass.; Estate of F. R. Mathison, Waltham, Mass.; J. H. Morton, Mattapan, Mass.; Thos. Young, Jr., W. F. Sheridan, F. H. Traendly, Chas. Schenck, John I. Raynor, New York City; W. F. Kasting, Buffalo, N. Y.; A. S. Burnes, Elmhurst, N. Y.; H. H. Battles, S. S. Pennock, Philadelphia, Pa.; John Burton, Chestnut Hill, Philadelphia, Pa.; Estate of Carl Jurgens, Newport, R. I.; Philip Breitmeyer, Detroit, Mich.; Fred Lautenschlager, Chicago, Ill. Bondholders, mortgagees and other security holders—none. Borrowed money—none. Notes—none.

Sworn to and subscribed before Notary Public by Wm. J. STEWART, Business Manager.


Boston, Dec. 17, 1912.

FIRES.

Freeport, N. Y.—There was a serious fire at Charles Lenker's place on Thursday night, December 12th. The windmill, potting shed and about twenty feet of one house were destroyed.

Norwood, R. I.—Fire, believed to have been set by boys in the nursery adjoining, threatened the greenhouses of Mrs. N. D. Pierce on December 10. The damage was confined to a small amount of nursery stock.

Somersworth, N. H.—Fire, water and the cold seriously damaged the greenhouses and stock of William H. Wilder, 175 Green street, Somersworth, N. H., early in the morning of Dec. 13. During the progress of the fire, which was discovered in the boiler house at midnight, Mr. and Mrs. Wilder narrowly escaped suffocation in the building. They entered the greenhouse to get some garden hose, only to find that the flames had cut off their escape through the boiler house. In the blinding smoke Mr. Wilder found an unused ventilating door, which he forced. The boiler house was totally burned, also the front of the largest hothouse. Much glass was broken by the streams of water, causing the total loss, by the almost zero temperature, of the plants in that structure. The damage is placed at about \$1000, of which \$400 was on the building.



New Times, New Things

The old fertilizer formulas are giving way to the new. At every farmers' meeting one subject should be the fertilizer formula that will furnish a balanced ration to the crop and keep up the fertility of the soil. To do this the fertilizer should contain at least as much


POTASH

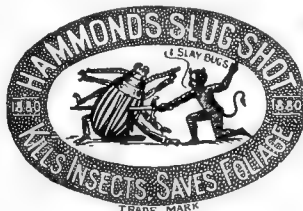
as Phosphoric Acid. Our note book has condensed facts essential in farmers' meetings and plenty of space to record the new things that you hear. Let us send one to you before your Institute meets.

A supply of these is furnished by request to every institute held in several states. We will be glad to send a supply delivered free of charge to every Institute, Grange or Farmers' Club Officer on request. It contains no advertising matter.

German Kali Works, Inc., 42 Broadway, New York

Monadnock Block, Chicago Whitney Bank Bldg., New Orleans Bank & Trust Bldg., Savannah





SLUG-SHOT

USED FROM OCEAN TO OCEAN FOR 29 YEARS.

Sold by Seed Dealers of America.

Saves Currants, Potatoes, Cabbage, Melons, Flowers, Trees and Shrubs from Insects. Put up in popular packages at popular prices. Write for free pamphlet on Bugs and Blights, etc., to B. HAMMOND, Fishkill-on-Hudson, New York.



The Insecticide that kills plant Lice of every species

The Recognized Standard Insecticide.
Not a cure-all but a specific remedy for all sap sucking insects infesting plant life such as green, black, white fly, thrips, red spider, mealy bug and soft scales.
\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Unlike Bordeaux and lime and sulphur it does not stain the foliage but cleanses it.

VERMINE

A soil sterilizer and vermicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used one part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.
\$1.00 per Quart. \$3.00 per Gallon.
All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN.

Aphine Manufacturing Co., Madison, N. J.
Manufacturers of Agricultural Chemicals
M. C. EBEL, General Manager.

Green Flies and Black Flies Too are easy to kill with

"TIP-TOP" BRAND

Tobacco Powder

For fumigating or dusting. \$3.00 per bag, 100 lbs. Write for free samples. Money with order.

Interstate Tobacco Co., Inc.

1397-1399 Ave. A, NEW YORK

Money refunded if not satisfied. Beware of imitations. Territory open for live jobbers. Write for prices.

JACK FROST

BURLAP MATS for COLD FRAMES

One Mat Covers Two Frames

\$1.20—\$14.00 per Doz.

Wm. Elliott & Sons

42 VESEY ST., NEW YORK
Established 1845.



Guaranteed under the Insecticide Act, 1910. Serial No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, etc. without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange. Effective where others fail.

1/2 Pint - 25c; Pint - 40c; Quart - 75c
1/2 Gallon, \$1.25; Gallon, \$2.00; 5 Gallon Can, \$9
10 Gallon Can - \$17.50

Dilute with water 30 to 50 parts

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct

Lemon Oil Company Dept. K
420 W. Lexington St., Baltimore, Md.
Directions on every package

Cocoanut Fibre Soil

Trees mulched with this article will grow larger fruit, better color, and ripen more uniformly than by any other means. We have proved it.

20th CENTURY PLANT FOOD CO.
27 & 29 OCEAN ST., BEVERLY, MASS.



Pulverized or Shredded Cattle Manure

Pulverized Sheep Manure

Unequalled for Greenhouse Fertilizing. Ask for Grower's Booklet.

THE PULVERIZED MANURE CO.
Union Stock Yards, Chicago

Imp Soap Spray

Effective one to thirty-two.
Single gallons, \$1.50

Eastern Chemical Company

BOSTON

When writing to advertisers kindly mention **HORTICULTURE**.

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS

Pearson Street
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

OBITUARY.

Maurice Doyle.

Maurice Doyle, florist of Springfield, O., died on November 30, aged 36 years.

Mrs. Geo. Bauman.

Mrs. George Bauman, wife of George Bauman, florist and gardener to Robert Jeffry, Columbus, O., died after a long illness on November 25.

G. W. Jenne.

As the result of a stroke of paralysis, G. W. Jenne, for many years a florist in Fulton, Ky., died on November 25, aged 76 years. He was formerly a resident of Chicago. His wife has for the last few years had the management of the business.

Alexander J. Thomas.

Alexander J. Thomas, florist, 86 West Main street, Oswego, N. Y., died on December 2, aged 77 years. He was born in Germany but had lived in this county about forty-five years, thirty-four having been spent in Oswego. He is survived by his wife, three sons and one daughter.

Patrick McDonnell.

Patrick McDonnell, well known in California as a carnation grower, died on November 30, aged 54 years. He came from Ireland when but a boy being first engaged in landscape gardening and later becoming a successful grower. Four small children and his wife are left to mourn his loss.

John Martin.

One of the oldest residents of Woonsocket, R. I., John Martin, died on December 4, after a short illness. He was born in Ireland about eighty years ago and had resided in America since he was a young man. For many years he was in charge of the greenhouses of the late Edward Harris. One son and a daughter survive him.

Francois Gruaz.

On December 1, Francois Gruaz, florist, of 4815 Dryades street, New Orleans, La., died after a few weeks' illness. He was born in Switzerland and came to this country about thirty years ago. He had had a thorough schooling in horticulture in France, Germany and Switzerland and many beautiful gardens in New Orleans are the product of his skill. He leaves a widow, one sister and three nieces.

PUBLICATION RECEIVED.

Iowa State College. A neat 32-page pamphlet has been issued giving full detailed information relative to the "Short Courses" for 1913 and other interesting notes on college activities. Copies can be procured from H. L. Eichling, secretary, Ames, Ia.

GREENHOUSES BUILDING OR CON- TEMPLATED.

Cairo, Neb.—Hans Broderson, one house.

Bala, Pa.—Henry J. Muller, house 14 x 50.

Scranton, Pa.—C. S. Weston, house 12 x 50.

Troy, Ohio—Farmers' Nursery Co., two houses.

Loomis, Cal.—California Carnation Co., additions.

Pontiac, Mich.—Harry S. Pearce, two houses, 30 x 275.

Oshkosh, Wis.—John K. Downs, three houses, each 27 x 200.

Gary, Ind.—John Owens & Son, Boulevard Heights, one house.

Edgewater, Colo.—Western Forestry and Landscape Co., one house.

Avondale, Pa.—Charles B. Snyder will build a house next spring.

Rockford, Ill.—B. B. Poehlmann, Chapin court, addition 20 x 150.

Denver, Colo.—Mary L. Lehman, Colorado Boulevard, conservatory.

Dayton, Ohio—George Bartholomew, 1017 South Broadway, range of houses.

Waterloo, Iowa—Frank Schebeck and Phil Mahoney, vegetable house, 30 x 150.

Newport, R. I.—Mrs. F. Vanderbilt, Harrison avenue and Brenton road, conservatory.

East Hartford, Conn.—F. W. Richardson & Co., 680 Main street, rebuilding one house.

Milwaukee, Wis.—Kellner Florist Co., range of houses, Humboldt avenue and Dousman street.

Denver, Colo.—Chamberlain Bros., ten houses, each 15 x 100. D. F. Brown, 1625 Colorado Boulevard, conservatory.

PATENTS GRANTED.

1,046,427. Lawn Sprinkling System. Louis D. Barney, Chicago, Ill.

1,046,849. Garden Rake Fork. Gustav A. Osterud, Ostrander, Minn.

1,047,138. Plant Protector. Alexander George McAdie, San Francisco, Cal.

INCORPORATED.

Big Wells, Texas—Big Wells Farming and Nursery Co., capital stock \$100,000. Incorporators, J. E. Franklin, M. E. Leming, and William McMurray.

Greenhouse Materials FURNISHED AND ERECTED

IRON or WOOD SASH BARS

In all lengths up to 32 feet.

Milled to any detail furnished or will furnish details and cut materials ready for erection

Frank Van Assche, Fulton Ave., Rose Ave.
and Dwight Street
JERSEY CITY, N. J.

1000 READY PACKED CRATES

STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1 1/2 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	450 4 1/2 " " 5.24
1500 2 1/4 " " 5.25	320 5 " " 4.51
1500 2 1/2 " " 6.00	210 5 1/2 " " 3.78
1000 3 " " 5.00	141 6 " " 3.16
800 3 1/2 " " 5.80	120 7 " " 4.20
	60 8 " " 3.00

HILFINGER BROS., Pottery, Fort Edward, N. Y.

August Reiker & Sons, 31 Barclay St., N. Y. City, Agents

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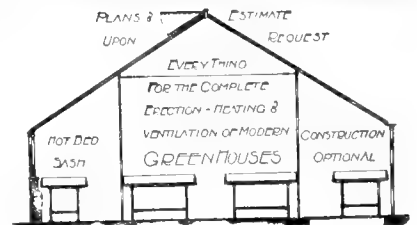
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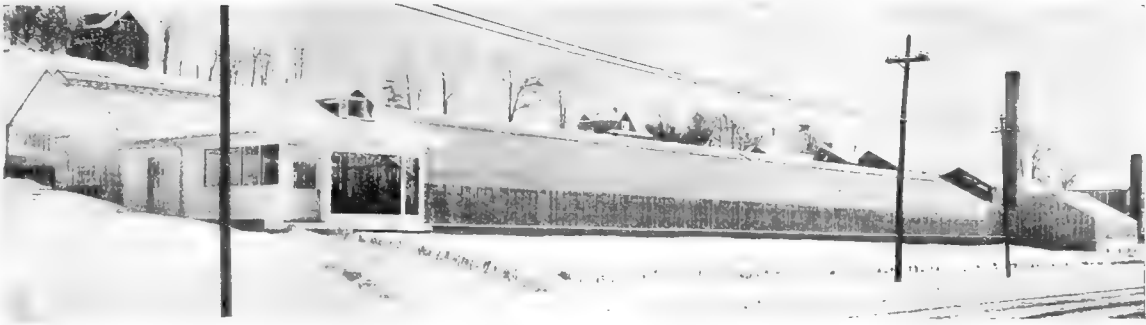
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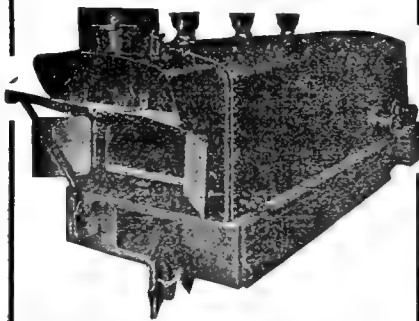
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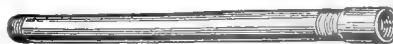
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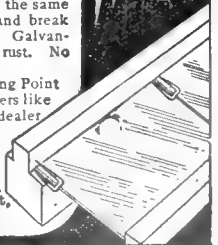
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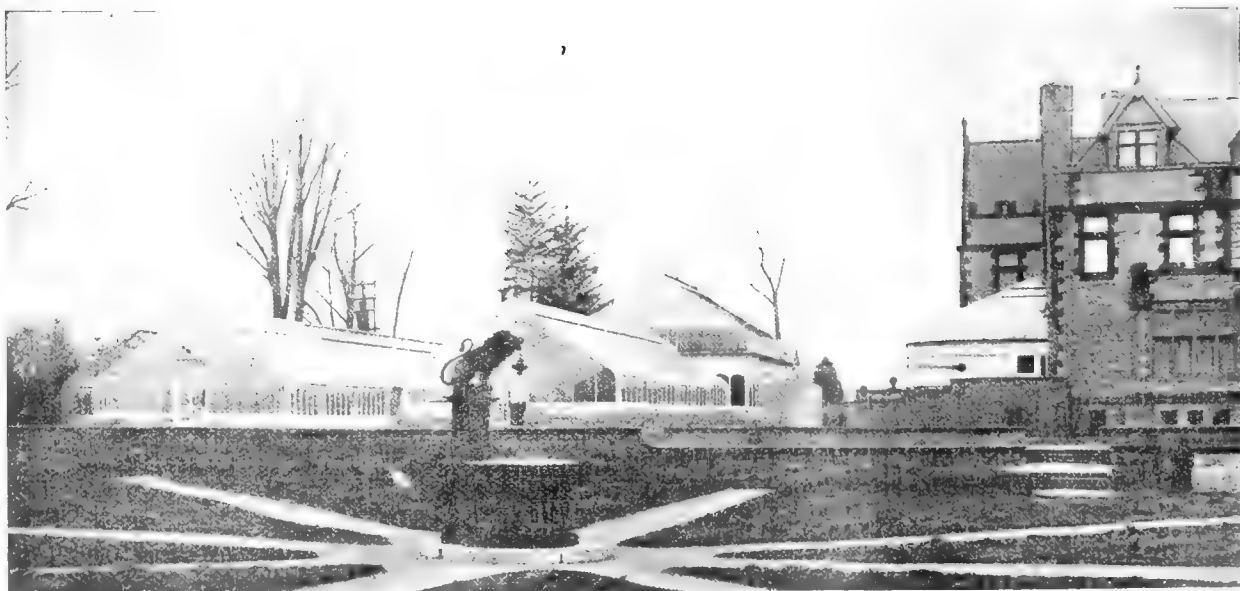
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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Carnations for Propagation

Now is the time to start propagation in earnest. When getting your cuttings select the short stubby side growth, which makes the ideal cutting. Trim the foliage so as to obviate crowding in the sand and also to let the air circulate among the cuttings which ultimately makes them surer to root. When prepared in this manner, providing they are neither too soft nor too hard, they will root in from twenty-one to twenty-eight days according to the variety. During the hardest firing the bottom heat should not exceed 58 degrees while the atmosphere of the house should be run as near 50 degrees as possible. For the first twelve or fifteen days it will be necessary to shade the cuttings against sunshine and to keep them sprayed every morning. This will aid root-formation and they will gradually stand full sun. Admit air freely, but guard against cold air currents. When they have roots about half an inch long they can be potted or boxed up and grown in a cool house.

Rambler Roses

The sooner these roses are brought in and placed in a cool house the better. To have Ramblers on time for Easter they should be allowed ten weeks. The temperature at first should not be higher than 50 degrees at night until the roots begin to make some headway. Every morning give a good syringing so as to thoroughly dampen the wood. When they are encouraged to break and make some top growth the temperature can be raised to 55 degrees and in two or three weeks more to 60 degrees. Keep the atmosphere moderately humid all the time. Give them a place where they can have full sun for it is necessary for the perfect development of these roses in every way. Great care in the matter of ventilation will be necessary so as to avoid mildew. Give careful attention to fumigation to keep down the green fly which is bound to make its appearance if not guarded against.

Dracaena indivisa

Where you want to increase your stock of this very useful plant now is the time to sow. In raising *Dracaena indivisa* the seed should be sown early so that the plants shall attain as much size the first year as possible. The seed can be sown in ordinary pans or flats; put an inch of crocks or any rough material on its bottom and over this a little sphagnum. The compost should consist of equal parts of new loam, leaf mold and about one-sixth of its bulk of sand, for it is essential that the soil should be loose and open. Fill the pans or flats within about half an inch of the top and press down moderately firm, then water with a fine rose to settle the surface and on this sow the seeds, but not too closely, or the young plants will become crowded and consequently drawn up before they are large enough to pot off. Cover the seeds about twice their depth with the compost and press firmly. Place the pans in a house where the temperature stands anywhere from 60 to 65 degrees at night

as a high temperature hastens germination. When the young plants appear place them up close to the glass, which will tend to make them more compact and sturdy. They can remain in the seed pans until each plant has several leaves when they can be moved into small pots, using a more lumpy compost, and grown on.

Forcing Lilacs

These plants force better when they have had a proper period of rest. The months of January and February always give good results so after the first of the New Year you can start a batch which will come along nicely. When starting to force lilacs place them in the warmest house you may have as they will stand a temperature as high as 85 degrees and do fine. Give them a spraying three or four times a day well through and among the branches and damp down thoroughly so as to keep a superabundance of atmospheric moisture around the plants. For the first week or ten days they will not take much water, but after this they will consume more and should have attention along this line. When the trusses have attained a length of about three inches the temperature should be lowered and the spraying lessened. As the flowers begin to open syringing should stop altogether and a drier air maintained by giving more ventilation and less damping down.

Hydrangeas

Plants intended for Easter should now be brought in and cleaned of the old foliage. It is always better to start hydrangeas rather cool—say in a temperature of about 45 degrees at night for the first two or three weeks—after which they can be raised 5 to 8 degrees. Give them a good syringing two or three times a day so as to cause a good break all over the plant and when this is secured they will stand all the way up to 70 degrees at night with safety. This high temperature very often has to be employed in holding hydrangeas at a rapid rate of development so as to be in on time. It is always an advantage to have them well out ten days before Easter so that they can finish up in a cool house and will then withstand much better the many vicissitudes which will be their lot. When they begin to make roots and foliage they will need lots of water at the roots, so continue great watchfulness in this matter right up to the last. From now on we will have changeable and trying weather which will demand constant care with firing and ventilation.

Verbenas

The florists who grow quantities of verbenas should begin now in earnest to propagate. Where special colors or named varieties are required propagation by cuttings is the only way. They can be placed in a cool end of the propagating bed where they will root fine if kept moist and shaded. When rooted they can be potted up in good new soil and placed in a cool, but well-lighted house where the temperature runs from 45 to 48 degrees at night.

Mr. Farrell's next notes will be on following: *Coelogyne cristata*; Bedding Plant Cuttings; Cyclamen; Ferns from Spores; Poinsettias for Stock Plants; *Spiraeas*.

FRUIT AND VEGETABLES UNDER GLASS

CONDUCTED BY

George H. Penson

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Penson. Such communications should invariably be addressed to the office of HORTICULTURE.

Late Grapes

Frequently Lady Hutt has been referred to as a first-class white grape and true to its reputation it has again produced good fruit for Christmas. The keeping qualities of this grape are not widely enough known. It is on a par with Barbarossa and Gros Colman and with some growers the former is considered one of the latest. With us Barbarossa and Lady Hutt are growing side by side and since ripening have had exactly the same treatment, with the result that the latter wins out on the test. Out of fourteen bunches cut for Christmas there were not as many bad berries to be removed and the whole were good firm fruit, while Barbarossa was considerably shrivelled.

White grapes of good quality are good any time and when kept right on the vine the flavor does not deteriorate as it would do if they were "bottled." It takes so much vitality to support the bunches as they hang, that this must be considered and the crop reduced off all the vines as they are used, not taking all the bunches from one vine and leaving the next one to support its entire crop several weeks later. Soon after the New Year comes in the foliage will commence to fall, when all the bunches that remain will be best cut and bottled—a subject to be dealt with later.

Cleaning

Push along with any cleaning that remains to be done, as time gathered now will be acceptable when the spring rush comes in. Take advantage of any mild days that may come to do any house washing that still has to be done, for if left until a hard freezing day the water will freeze on the glass unless the house is heated well. All pruning should be done without delay; late vines can be pruned soon after the crop is removed.

Vegetable Houses

The dulllest period of the year for vegetable growing is with us, consequently every encouragement should be given the plants. Do not leave the house to take its chance as no damage can be done with a weak sun power. Keep right after them, giving them a lift up wherever you can. Benches anyway green or hard on the surface will not give the plants the air to the root which they require and will not dry out as rapidly or as evenly as those regularly cultivated. Loosen up the surface soil regularly, but do not attempt it when the benches are wet.

Looking Backward and Forward

Now that another year is fast closing on us it behooves us to look back before making all our resolutions for the coming year. Some of these are doomed like pie crusts "to be broken," but rather make less of them and raise them above the breaking level.

With the passing of the year and resolutions for 1913 a glance backward over these columns will be interesting—interesting at least to the writer, as it is gratifying to know so many of HORTICULTURE's readers are interested in them.

Fruit growing under glass is attaining more prominence than at any other time in the horticultural history of America, and rightly so. The number of fruit houses built and also inquiries made, indicates a live interest never before experienced.

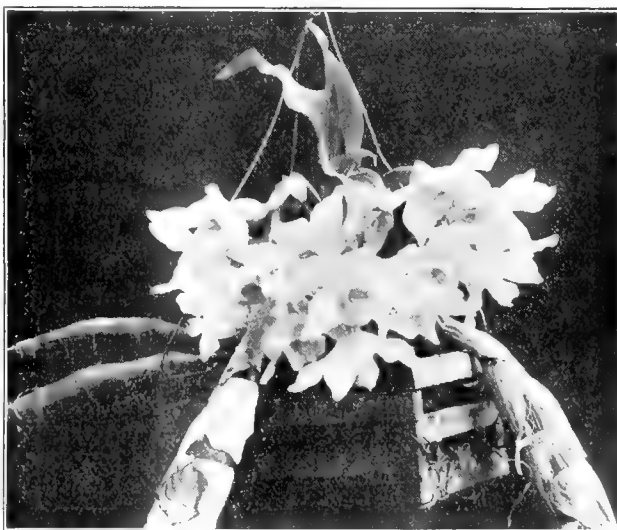
I should hope the time is not far distant when show committees will recognize this department as it deserves to be, by awarding prizes in keeping with the amount of skill required to produce the results. When the prizes are put up it will be found that a display of this kind will attract the public's eye (and make their mouth water) quite as much as a group of orchids or chrysanthemums. This was demonstrated at one show during the past summer.

For two seasons HORTICULTURE's readers have welcomed these brief notes and, as a continuation has been requested, I would like to say right here that they are what practice has taught and, while new methods, ideas, and varieties are continually being tried out, it is practice which has proved itself reliable and is likely to do so for others who adopt it.

While every season brings round a repetition of events we are forced to revolve the correspondence wheel in some degree also. To those who practice different methods successfully HORTICULTURE extends an invitation to all to take up that weapon "mightier than the sword"—the pen, and give their brother growers the benefit of their experience.

In conclusion, I would extend to our readers and worthy editor and staff a wish that the coming year will be happy and prosperous for all.

Chysis bractescens



CHYSIS BRACDESCENS

Chysis bractescens is a splendid orchid when well grown. Its sweet scented, pure white, waxy flowers, of which only the inside of the lip is yellow, are produced

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Early Propagation

New Years! It seems but yesterday that Father Time brought little 1-9-1-2 to us and here he is again with little 1-9-1-3! "Begin the New Year with good resolutions," is a very common advice, yet it is not taken half as seriously as it might be. This old saying can well be applied to our business, and many would be better off if they made a few good resolutions and then made good at keeping them; and now for the brick and the other sand-firming tools!

Begin right. Clean the propagating house thoroughly and see that it gets a good dose of hot lime to which a little copper carbonate or sulphate has been added to make the hot lime a little more of a fungicide. Spraying with a good commercial fungicide is very good and generally has a better effect. But—to make a long story short—see that all is clean on the benches as well as underneath them. Where time will permit scrub the whole house, including the sash bars. This may seem somewhat troublesome at the start, but you will find that it will pay in the long run. There is quite some loss when several thousand cuttings go to the bad. Be sure that your sand is fresh and clean; take it from us, there is nothing in using old sand over again, as experience no doubt will teach you.

Start your heater as soon as you start cleaning the house; this will help dry out some of the wet damp air and render the house more fit to receive the future money-makers. After the house is all ready, the sand all in, begin packing the sand, keeping the fire going all the time. Aim to have the heat going for almost a week before inserting any cuttings. This may seem like wasting a lot of time, coal, and all the rest of it, yet if the cuttings are put into cold sand with a cold damp atmosphere, it is not a wonder that the cuttings will not root as they should, but will turn yellow and damp off.

Selection of Wood

This is another very important factor and we should always bear in mind the fact that next season's success depends largely on the start of these little slips of wood.

No doubt that there is really no haste to start the cuttings, but where a very large number are to be grown,

during April and May and last several weeks in perfection. The plant illustrated here produced three racemes with an aggregate of 18 flowers from the one growth.

In order to have this orchid flower so freely it is quite necessary to produce a good large growth during summer and to carefully ripen the bulb during winter. The plants should receive liberal treatment from the time the flowers have faded until the new bulb is fully made up. The compost should be open to allow the water to pass through quickly. A good quality of osmunda fibre will be found as good or better than anything else.

They are best grown in pans or baskets suspended from the roof of the warmest house obtainable, shaded in summer from direct sunshine. During the season of active growth they should receive a liberal amount of

one can hardly start too soon, so as to give all the proper attention and keep the rest of the plants looked after as they should be. Be sure to have help enough to attend to all, as it is a losing game to allow the houses to go "any old way."

In selecting wood do not take wood that is too hard, this being hard to root, and therefore more or less of a nuisance. In taking Beauty wood be sure to take only wood with nice live thorns. This you will find is much easier to root than wood with the thorns all dead and hard. The foliage on this kind of wood is very apt to turn yellow long before the cuttings are calloused, and once the cuttings lose most of their leaves they are almost worthless. Have the propagating benches all ready before making any cuttings so that all the cuttings are inserted into sand as fast as they are made, for it does them no good to be stuck around in old tin pails as is often the case. A grower once failed to get good results and on being asked if he had not allowed his cuttings to wilt before inserting them in sand he replied that he had them in water several days so that wilting was impossible! Well-wise are those that profit by their mistakes! The only trouble is that a good many of us fail to do so, hence the song, "You Do the Same Thing Over Again."

Begin now and mark all mixed plants, so as to do away with the mixed lot next year. Also mark any plant that would not be worth while taking cuttings from. Select strong, healthy wood and you will have little trouble in the future.

The Soil

Readers will remember that we advised the growers time and time again to make sure of a good supply of soil for the season, and yet no doubt many are lacking this most necessary element in successful propagation of roses or of any other kind of plants. With us the winter so far has been very mild, and with the ground open we have been able to accomplish much that would have had to wait until spring. If you have no soil under cover as yet, try and bring some in at once so that you will not have to be wading waist deep in snow, trying to scrape enough soil together to pot up the ready cuttings.

water with the addition of some weak liquid manure once or twice a week to help build up strong pseudo bulbs, as the quantity and quality of flowers to be produced in spring depends on the size of bulb made up during the previous summer. After the new growth is completed and the leaves begin to turn yellow the plants can be removed to a cooler, airy house and exposed to full sunshine until active growth starts again. Very little water will be required while the plants are at rest, letting them dry out thoroughly each time before giving water again.

M. J. O'Keefe

HORTICULTURE

VOL. XVI

DECEMBER 28, 1912

NO. 26

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

ADVERTISING RATES

Per inch, 20 inches to page..... \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10
 per cent.; six months (26 times), 20 per cent.; one year (52 times),
 30 per cent.
 Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at
 Boston, Mass., under the Act of Congress of March 3, 1879.

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"Happy New Year" and strong is its current; no sooner is a thing brought to sight than it is swept by and another takes its place, and this, too, will be swept away."

With this issue closes another volume of HORTICULTURE. In a few days more a new year comes in for us all and old 1912 will have passed away for evermore, its history indelibly written. "The past is gone, the future yet unseen." As is our custom, we here extend to all our readers, and to those who are not, as well, sincerest wishes for a Happy and Prosperous New Year and express the fervent hope that horticulture with its many closely allied industries may in the coming year flourish and expand as never before. As for 1912, its record is, we believe, fully up to the standard, as years go; a little better, a little bigger and a little busier than any of its predecessors; landing us at the doorstep of the new year in a condition of prosperity and promise such as we were hardly justified in expecting

in a national election year and in its many demonstrations of advancement giving us abundant proof that in horticulture at least "still the new transcends the old."

Trade publicity;
its scope and
purpose

One topic which bids fair to occupy much of the attention of the florist trade during the coming year is that with which we have already become somewhat familiar under the general designation of "publicity." Widely varying, often vague and sometimes pettifogging, are many of the sentiments and deductions expressed regarding this movement, its scope and its utility, since its inception. Our views on the subject are not unfamiliar to the readers of these columns. We have no pet hobby or predilections in the matter and we believe that the whole proposition covers a project much too broad and complex to be hastily settled or treated from any limited standpoint or exposed to the chance of cavil or setback because of alleged inutility of any localized or desultory effort that may be undertaken. It is too early as yet to advocate any special course of action in detail. It is easy to see how money may be expended to little purpose in hastily planned local campaigns. What we do want is a vastly bigger demand and better balanced distribution of horticultural products and greatly increased efficiency in all departments of marketing. "Publicity" means beginning at the right end. It means intelligently using any and all legitimate organized, systematic means to develop a public demand far greater than our goods now enjoy. To this laudable ambition we can all subscribe. If the thinking and brainy men of the business—and there are plenty of them—will get busy on the problem we do not doubt that a practical plan of action will be forthcoming.

A field
all ready

In C. S. Harrison's paper on "The Mission of the Nurseryman" which appears in this issue of HORTICULTURE, the observant and prescient reader, be he nurseryman or florist, will, we believe find himself fully in accord with many of the sentiments expressed therein. Any one who has ever undertaken to interest the nurseryman, as a class, in new plant introductions, knows how indifferent his reception has usually been. If the home-maker is to be educated up to "give his front yard as good a show as he does his back yard" the nurseryman has it in his power to do much towards bringing this about by "preaching the gospel of beauty" and setting a good example. As Mr. Harrison says, the average man knows little about floriculture and horticulture or of the beautiful things that are to be had to embellish his home. But he is far from obstinate on the subject; he is willing and really anxious to be shown, and this is truer today than ever before in this country. This showing and educating is a part of the dealer's mission, which in the case of the florist and nurseryman, hampered by excess of conservatism, has hitherto not been given the attention it deserves. In our humble opinion the seedsmen have done better; indeed, we think it is safe to say that the interest of our people in garden beauty so far as it has been developed is due more to the enterprising and persistent missionary work and aggressive policy of the American seedsmen than to any other single agency. If Mr. Harrison's address only helps to inspire more of this same progressive spirit where it has been so unfortunately lacking it will have served its purpose well. The field is ready to be tilled: it is practically exhaustless and ample returns are assured to all who "get a move on."

CLUBS AND SOCIETIES

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTI- CULTURISTS.

Department of Plant Registration.

Public notice is hereby given that Ant. C. Zvolanek, Lompoc, California, offers for registration the following Sweet Peas, Winter Flowering, Orchid or Spencer type.

Any person objecting to the registration of the above or to the use of the proposed names is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's Description.

"Buterley"—color standard deep rose, wings white. Parentage: Xmas Pink by Countess Spencer.

"White Buterley"—color pure white, seed white. Parentage: White Spencer by Florence E. Denzer.

"White Curleyana"—color purest white, seed black. The standard is very large, so are wings and all over curled and twisted. Very large percentage coming with two or more standards or four wings and all the flowers appearing as double. Parentage: White Blackseeded Spencer by Enchantress. Seedling out 3d generation.

"Why Not"—color pink self. Parentage: Countess Spencer X Zvolanek's Pink. These varieties represent the winter flowering Countess Spencer.

"Dolansky Spencer"—color light pink self. Parentage: Countess Spencer X Zvolanek's Pink. Seedling from 3d generation.

"Hercules"—color standards rosy pink, wings light pink, one of the largest Winter Orchid-flowering. Parentage: Countess Spencer X Zvolanek's Pink. Seedling out 2d generation.

"Orangine"—color orange self. Parentage: Orange Late Spencer X Zvolanek's Orange. Seedling out 3d generation.

"Salma"—color orange salmon. Parentage: Orange Late Spencer X Zvolanek's Orange. Seedling out 3d generation.

"Pincus"—color standard rose pink, wings one shade lighter. Parentage: Rose Pink, Late Spencer X Zvolanek's Pink. Seedling out 2d generation.

"Apricota"—color apricot pink, parentage Apricot Late Spencer X Zvolanek's Pink. Seedling out 2d generation.

"Smalley Spencer"—color satiny salmon. Parentage: Apricot Late Spencer X Zvolanek's Pink. Seedling out 2d generation.

"Mrs. Sim Spencer"—color salmon pink. Parentage: Apricot Late Spencer X Zvolanek's Pink. Seedling out 3d generation.

"Bohemian"—color rose red self, standard and wings curly and mostly double. Parentage: white blackseeded Spencer X Zvolanek's Enchantress. Seedling out 2d generation.

"Antionete"—color brilliant clear pink standard and wings curly and mostly double. Parentage: Blackseeded White Late Spencer X Zvolanek's Enchantress. Seedling out 3d generation.

"Appleblossom"—color appleblossom pink, standard and wings curly. Parentage: White Blackseeded Spencer X Zvolanek's Enchantress. Seedling out 2d generation.

"Venus"—color cream white in winter, pink blush in summer. Blackseeded. Parentage: white blackseeded Spencer X Zvolanek's Enchantress. Seedling out 3d generation.

"Orchid Beauty," color rose pink self in winter, with orange blush in summer. Parentage: Rose Pink Spencer X Pink Beauty. Seedling out 2d generation.

"Cereus"—color Cereus red, immense wavy flower. Parentage: Rose Pink Spencer X Xmas Meteor. Seedling out 2d generation.

"Lilaca"—color lilac pink standard, wings lavender pink, extra large wavy flower. Parentage: Lilac Spencer X Zvolanek's Pink. Seedling out 3d generation.

"Bush Butterfly"—color standard lilac pink wings, cream white. Parentage: Xmas Pink X Countess Spencer. Seedling out 3d generation.

"Sunset"—color standard rose pink, wings lilac pink. Parentage: Rose Pink Spencer X Zvolanek's Pink. Seedling out 2d generation.

"Azurea"—color dark blue self; Parentage: Walter Wright Spencer X Zvolanek's Blue. Seedling out 2d generation.

"Lucifer"—color scarlet self. Parentage: scarlet Spencer X Zvolanek's Crimson. Out 3d generation.

"Indian"—color brownish purple. Parentage: White Spencer X Zvolanek's Crimson. Seedling out 3d generation.

"Evening"—color light rose self. Parentage: Rose Pink Spencer X P. Beauty. Seedling out 2d generation.

"Jealousy"—color light yellow. Parentage: White Spencer X Jack Hunter. Seedling out 3d generation.

"Heaven"—color first opening light lilac, when full open sky-blue lavender. Parentage: Lavender Spencer X Zvolanek's Blue. Seedling out 3d generation.

"Bishop"—color bishop-red self. Parentage: White Spencer X Zvolanek's Crimson. Seedling out 3d generation.

"Flag"—color white ground, orange striped. Parentage: Florence E. Denzer X Orange Spencer. Seedling out 2d generation.

"Blue Stripes"—color ground blue, striped white. Parentage: White Spencer X Zvolanek's Crimson. Seedling out 3d generation.

Remarks—All those foregoing varieties are strictly Winter bloomers. The foliage is more rounded, but not so strong as in the late flowering Spencers; the height 6 to 10 ft. under glass, 3 to 5 ft., when grown outdoors.

The flowers are just the same as the late-flowering Spencers with extra large wavy flowers and exposed or open keel, bearing over 50 per cent. four flowers to each stem and if raised under extra ideal condition many will bear five and six flowers. If sowed August 15th they will begin to bloom in 65 days. If sowed in October, they will begin to bloom in 90 to 100 days,

according to the weather. After they are about 4 feet high, with each foliage springs one stem with extra strong and large flowers. They are just as productive and early as the common old Winter Sweet Pea.

ANT. C. ZVOLANEK, Originator.

JOHN YOUNG, Secretary.

Dec. 20, 1912.

CONNECTICUT HORTICULTURAL SOCIETY.

The 23rd annual meeting was held on the 13th inst. First-class certificate was awarded John F. Huss for Glory of Cincinnati, Gloire de Lorraine, Turnford Hall, and LaPatrie begonias; certificate of merit to Warren S. Mason, of Farmington, for bouvardia; first-class certificates to J. Alfred Weber for double and single poinsettias; William H. MacKenzie, of Bristol, for sweet peas; Alfred Cebelius, of Hartford, for Dreer's Superb Salad tomatoes. Thanks were also extended to Mr. Weber for mushrooms. The president's, treasurer's, and secretary's reports all showed the society to be in a flourishing condition, with a large membership and a goodly sum in the treasury.

The election of officers resulted as follows: President, John F. Huss; vice-presidents, J. Alfred Weber, Alex. Cumming, Jr., Carl Peterson; secretary, George W. Smith; treasurer, W. W. Hunt; librarian, William T. Hall; botanist, George W. Smith; pomologist, C. H. Sierman; executive committee, John Gerard, George B. Baker, George H. Hollister, Howard A. Pinney, and Alex. Cumming, Jr.

All the county vice-presidents were re-elected. The auditing committee added the following kind paragraph to their report:

"Your committee also wishes to extend their compliments to both the treasurer and the secretary for their neat, accurate, and systematic methods of recording the Society's business."

GEORGE W. SMITH, Secretary.

AMERICAN ROSE SOCIETY.

The prize list for the coming exhibition as part of the National Flower Show has been issued. There will be additional special prizes.

The Annual Bulletin for 1912 will be an interesting document. This record of events of the Society is steadily in demand by libraries and students.

The correspondence up to this date shows that interest is already alive among the growers of roses to make good in New York. No flower show would be complete unless the roses were there in full force. These flower shows are very effective as "trade getters" in this wise: The fame of them goes broad cast. In the city of New York within a radius of twelve miles from the location of the Grand Central Station where the show is to be held, are 5,000,000 people, and to cultivate the taste of this great population is the effect.

There is a place in popular favor for the small roses. The Rambler is becoming more and more in evidence the country over. During the growing season, this class of roses, if you look

for them, you will find frequently in the small door-yards of the cities. They do look pretty.

BENJAMIN HAMMOND, Sec'y.
Fishkill-on-Hudson, N. Y.

AN UNIQUE HONOR FOR GEORGE DICKSON.

The National Rose Society of England at their December meeting by unanimous vote awarded the Dean Hole Memorial Medal to George Dickson, as head of the firm who in the opinion of the members of this famous society has done most for the rose. The personal friends of Mr. George Dickson and the many friends of the firm in this country will certainly be glad to learn of this signal honor.

George Dickson entered upon his eighty-first year in July, 1912, and while relieved from active work by his sons he is still greatly interested in the annual introductions of his firm—Alexander Dickson & Sons, Ltd., of Belfast and Dublin, with nurseries at Newtownards, County Down, Ireland.

Mr. Dickson has been certainly very fortunate in having the assistance and



MR. GEO. DICKSON

of Messrs. Alex. Dickson & Sons, Ltd.,
55, Royal Ave., Belfast, Ireland.

hearty co-operation of his six sons. Of these sons Messrs. Alexander and George Dickson are now the hybridizers and growers of new roses at Newtownards; Thomas is manager of the farms, while Andrew is manager of the rose gardens at Dublin. Hugh Dickson, well known as an expert both in sweet peas and culinary peas, is manager of the seed business. The legal end of the business is under the able control of Gordon Dickson, solicitor in Belfast, who a few years ago protected the right of the name Alexander Dickson by securing letters patent for the distinctive name "Hawthorn" as applied to roses, plants and seeds.

The accompanying portrait of Mr. George Dickson will be interesting, not only to his many personal friends in America, but also to thousands of florists who have grown Killarney, Liberty, Mrs. Jardine and Melody. The lovely "Fireflame" about to be introduced will still further advance the prestige of the premier rosarians.

NIAGARA

One of the wonders of the GLADIOLUS world

In type the variety resembles "America," but the flowers appear to be somewhat larger, measuring $4\frac{1}{2}$ inches across. In color the flowers are a delightful cream shade with the two lower inside petals or segments blending to canary yellow. The flower spike is very erect and stout and is wrapped with broad, dark green foliage. The variety is evidently destined to lead in the cream colored varieties.

Awards. 1911—Certificates of Merit from Mass. Hort. Society, Boston, and Dutch Bulb Society at Haarlem, Holland. 1912—American Gladiolus Society, open class award for finest yellow.

Fine Bulbs. \$3.50 per dozen, \$25.00 per 100.

JOHN LEWIS CHILDS

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For autumn sowing and exceptional results few equal. *Quality and prices beyond comparison. Get down to the turf.*

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W. E. MAYNARD

Manager Sales Department

GLADIOLUS

	Per 100	Per 1000
American, pink.....	\$3.50	\$30.00
Augusta, white.....	2.25	18.00
Mrs. Francis King, scarlet.....	2.75	22.50
Taconic, pink.....	4.50	40.00
Blushing Bride, white, pink blotch.....	.75	6.00

A. HENDERSON & CO., Phone Randolph 2571 352 N. Michigan Ave., CHICAGO

Among the garden peas sent out by Alexander Dickson & Sons are Pilot, the largest podded first-early smooth pea, and Royal Salute, the most popular of all large-podded late peas in England. Among the sweet peas are Florence Nightingale, Irish Belle and Vermilion Brilliant, all three deservedly popular in America.

BRITISH HORTICULTURE.

Carnation Show.

The winter show of the Perpetual Flowering Carnation Society, held in London on December 4th, was the best exhibition which has been arranged by the society. The challenge cup presented by the American Carnation Society for an exhibit of American novelties was awarded to H. F. Mason, who showed some splendid vases of Dorothy Gordon, Gloriosa, and White Wonder. A comprehensive display was made by C. Engelmann, who showed, amongst others, Golden Ray, Beacon, Lady Northcliffe, Lady Meyer (a new rose pink), May Day, Carola, Rex, Empire Day, and Princess Charming. A large gold medal was awarded. Stuart Low & Co. made an attractive display with some meritorious new introductions, comprising Baroness de Brien, bright salmon pink; Rosette, the new American variety; Marchioness of Linlithgow, pure white; Geisha, yellow; Cinnabar, old rose terra-cotta; British Triumph, crimson; Regal, mauve (gold medal). W. Lawrenson had some good samples

of Snowstorm, a pure white, with fringed petals and long stiff stems. This received an award of merit.

Other Notable Exhibits.

A. F. Dutton, Felton & Sons, Allwood Bros., H. Burnett, Young & Co., G. Lange, Cutbush & Sons, all made extensive exhibits of novelties and standard varieties. During the show a conference was held in which several of the leading growers took part. W. H. ADSETT.

Chysanthemums

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NOVELTIES for 1913 and all the best Standard Sorts

Catalogue ready in January

The Best Double Red Geranium is
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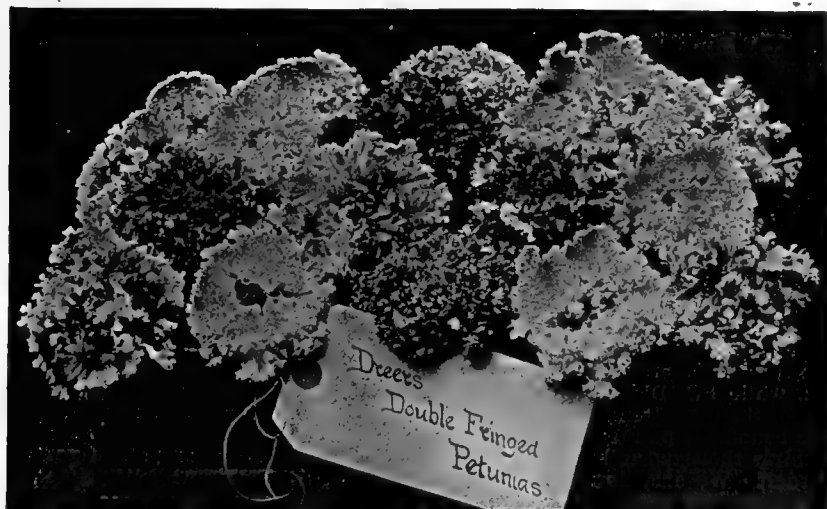
Fully indorsed

January delivery from 3 inch pots, \$1.50 per ten; \$12.50 per hundred.

ELMER D. SMITH & CO.

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The Dreer Strain of Double Petunias

For nearly half a century the majority of the growers in the United States have been depending on the Dreer Strain of Double Petunias which this season compares favorably with stock we have supplied heretofore.

We offer for immediate delivery, good three inch pots, which will quickly furnish a good, supply of cuttings, in fifteen varieties, 75 cts. per dozen; \$6.00 per 100; or the set of fifteen varieties, one of each for \$1.00.

Seed of our **SUPERB STRAIN OF FRINGED PETUNIAS**. Double, 75c. per 500 seeds; \$1.50 per 1000 seeds. Single, 50c. per trade pkt.; \$1.00 per 1-16 oz.; \$1.50 per 1/8 oz.

Our Quarterly Wholesale Price List, issued January 1st, offers a full line of seasonable Plants, Seeds and Bulbs.

The above prices are for the Trade only.

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714 Chestnut Street Philadelphia Pa. 19106

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Our World's Choicest Nursery and Greenhouse Products for Florists

PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS PLANTS, EVERGREENS, ROSES, RHODODENDRONS, VINES AND CLIMBERS, AUTUMN BULBS AND ROOTS, CONIFERS, PINES

Florists are always welcome visitors to our Nurseries. We are only a few minutes from New York City; Carlton Hill Station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS
Nurserymen and Florists Rutherford, N. J.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and Descriptive Catalogue for the asking

THE BAY STATE NURSERIES, North Abington, Mass.



W. B. WHITTIER & CO.,
SOUTH FRAMINGHAM . . MASS.
GROWERS OF HIGH GRADE NURSERY STOCK
LARGE ASSORTMENT
WRITE FOR PRICES BEFORE ORDERING ELSEWHERE

ROSES

From 2-inch pots—strong, own root.

Lady Hillingdon, fine stock, Grafted, \$25.00 per 100; Own Root, \$15.00 per 100.

Double Pink Killarney, Radiance, Mrs. Taft, Mrs. Wardell, My Maryland, Harry Kirk, \$10.00 per 100.

Pink Killarney, White Killarney, Kaiserin Augusta Victoria, Mohammad, Perle, Sunrise, Sunset, American Beauty, \$8.00 per 100.

Bride, Bridesmaid, Bon Silence, La France, Gruss an Teplitz, Clothilde Souper, Souvenir de Westton, \$7.00 per 100; \$80.00 per 1000.

Grafted, 2-inch pots.

Mrs. Taft, Pink Killarney, Maryland, Mrs. Wardell, Kaiserin, Bride, Bridesmaid, \$15.00 per 100.

Wood Brothers
FISHKILL, N. Y.

Nursery Stock

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Heights
P. O. No. 1, Hoboken, N. J.

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Contracts made for Seed Growing

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MADISON, N. J.

CARNATIONS

F. DORNER & SONS CO.
LA FAYETTE, IND.

FIRES.

Ypsilanti, Mich.—Fire destroyed the home and greenhouses of Mayor Norton on December 9; loss about \$7,000.

Buffalo, N. Y.—The Lenox Flower shop, 584 Main street, E. H. Altman, proprietor, was damaged by fire on December 13, an overheated furnace being the cause.

Burpee's

"SEEDS THAT GROW"

Are supplied each season direct to many more planters than are the seeds of any other brand. BURPEE'S SEEDS are known the world over as the best it is possible to produce, and are acknowledged the American Standard of Excellence.

In thirty-six years of successful seed selling we have introduced more Novelties that are now in general cultivation than have any three other firms. We produce Selected Stocks upon our own seed farms in Pennsylvania, New Jersey and California, while FORDHOOK FARMS are famous as the largest trial grounds in America. No Government Experimental Station attempts such complete trials each season, and the information here obtained is of incalculable benefit to planters everywhere.

Each season we travel more than thirty thousand miles to personally inspect our growing crops and yet never travel a single mile to solicit an order! We ask, however, that you allow our SILENT SALESMAN to have your careful attention in the quiet of your own home.

Simply send us your address plainly written and kindly state where you saw this advertisement. Then by first mail you will receive

The Burpee-Annual for 1913

A bright new book of 180 pages, it pictures by pen and pencil all that is Best in seeds, and tells the plain truth. While embellished with colored covers and plates painted from nature it is A SAFE GUIDE,—entirely free from exaggeration.

Shall we send you a copy? If so, write TO-DAY! A postal card will do,—and you will not be annoyed by any "follow-up" letters.


Burpee's Blue List for 1913

The most complete catalog published for MARKET GARDENERS, TRUCKERS and FLORISTS. For the planter who "knows" it contains complete lists of all that is best in vegetables and flowers, while the grower who is uncertain as to the best varieties suited for his purpose may be guided by the bull's-eye placed after what is known to be best. In addition full descriptions are given many new and most valuable varieties.

BURPEE'S BLUE LIST FOR 1913 contains 148 pages with hundreds of half-tone and engraved illustrations. Within the pages of this catalog we have condensed an experience of thirty-five years both in handling and the actual growing of seeds.

If you garden for profit (that is, sell your products in the market) you are entitled to a copy of this complete and easily understood catalog, but if you are a private planter please do not ask for a copy, as we must protect the Market Gardener, Trucker and Florist.

BURPEE'S "RED LIST"

Is mailed to **Dealers Only**  To obtain this catalog it is necessary to write on business stationery or enclose a card showing that you **buy seeds to sell again**—and not only in large quantities for your own planting. We always protect the Trade!

W. Atlee Burpee & Co., Philadelphia
The World's Largest Mail-Order Seed House

Boddington's Quality Flower Seeds

(NEW CROP) FOR FLORISTS (NEW CROP)

SELECTED SEEDS, SUCCESSFULLY SOWN, SECURE SURE, SAFE AND SERVICEABLE SATISFACTION

REMEMBER YOU MAY DEDUCT 5 PER CENT IF CASH ACCOMPANIES ORDER.

AGERATUM.

	Trade pkt.	Oz.
Mexicanum album.....	\$0.10	\$0.20
Blue Perfection.....	.15	.50
Imperial Dwarf Blue.....	.10	.25
Imperial Dwarf White.....	.10	.25
Little Dorrit.....	.15	.50
Swanley Blue.....	.10	.25
Little Blue Star, trade pkt., 25c., 3 pkts. for 60c.		

Boddington's Mauve Beauty.

Large mauve flowers; dwarf, compact, very free flowering. A unique variety. Trade pkt. 10c., oz. 50c.

ALYSSUM.

White Gem.

A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. \$1.00.

	Trade pkt.	Oz.	1/4 lb.
Little Gem Dwarf, best for pots.....	\$0.10	\$0.30	\$1.00
Carpet of Snow. For hanging baskets and borders.....	.10	.40	1.25
Sweet (the old variety).....	.10	.15	.50

ASTERS.

Boddington's Asters are Famous. Write for catalogue of other varieties and prices.

	Trade pkt.	1/4 oz.	Oz.
Early Wonder, White.....	\$0.25	\$0.75	\$2.00
Early Wonder, Pink.....	.25	.75	2.00

QUEEN OF THE MARKET ASTERS.

Boddington's Extra Early.

	Trade pkt.	Oz.
Pink.....	\$0.20	\$0.85
Light Blue.....	.20	.85
White.....	.20	.85
Dark Blue.....	.20	.85
Crimson.....	.20	.85
Rose.....	.20	.85
Flesh Color.....	.20	.85
Light Rose.....	.20	.85
Scarlet.....	.20	.85
Red Lilac.....	.20	.85
Finest Mixed.....	.20	.85

BRANCHING ASTERS.

Vick's Branching.

	Trade pkt.	1/4 oz.	Oz.
Crimson.....	\$0.25	\$0.35	\$1.00
White.....	.25	.35	1.00
Purple.....	.25	.35	1.00
Violet.....	.25	.35	1.00
Rose.....	.25	.35	1.00

Carlson's Branching.

	Trade pkt.	1/4 oz.	Oz.
Lavender.....	\$0.25	\$0.35	\$1.00
Shell Pink.....	\$0.25	\$0.35	\$1.00
Upright White.....	.25	.35	1.00

Trade pkt. each of the collection of 8 varieties for \$1.75.

Trade pkt. 1/4 oz. Oz.

	Trade pkt.	1/4 oz.	Oz.
Vick's New Early Branching, White.....	\$0.25	\$0.75	\$2.00
Vick's New Early Branching, Pink.....	.25	.75	2.00

BODDINGTON'S GIANT

ANTIRRHINUM.

(Height, 3 Feet)

	Trade pkt.	Oz.
Coral Red. Striking color.....	\$0.20	\$0.75
Carmine. Splendid color.....	.20	.75
Daybreak. Light pink.....	.20	.75
Brilliant. Scarlet, golden yellow and white.....	.20	.75
Cresia. Dark scarlet.....	.20	.75
Queen Victoria. Pure white.....	.25	1.00
Luteum. Yellow.....	.20	.75
Firefly. Scarlet.....	.20	.75
Romeo. Deep rose.....	.20	.75
Lilacinum. Beautiful lilac.....	.20	.75
Mixed.....	.20	.50

BEGONIA.

	Trade pkt.	Oz.
Boddington's Crimson Bedder.....	\$0.50	
Erfordii. Carmine.....	.25	
Semperflorens.....	.25	
Vernon grandiflora, 1/2 ft. A fine bedding sort, with rich red flowers and glossy bronze-red foliage.....	.25	

CINERARIA.

	Trade pkt.	Oz.
Cineraria maritima, 1 1/2 ft. 10c. oz. 50c.		
Cineraria maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated. Trade pkt. 25c., \$1.50 per oz.		

CENTAUREA.

	Trade pkt.	Oz.
Candidissima.....	\$0.25	\$1.50
Gymnocarpa.....	.15	.50

GREVILLEA ROBUSTA.

	Trade pkt.	Oz.
(Silk Oak).....	\$0.10	\$0.75

COBAEA.

	Trade pkt.	Oz.
Scandens. H.P. Blue.....	\$0.10	\$0.30
Alba. White.....	.20	.75

LOBELIA.

	Trade pkt.	Oz.
Erinus gracilis. Trailing light blue.....	\$0.15	\$0.50
Erinus speciosa. Deep blue; trailing.....	.15	.75
Crystal Palace compacta.....	.25	2.50
Emperor William compacta.....	.25	1.00

MIGNONETTE.

Boddington's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seeds saved from select spikes under glass. Trade pkt. 60c., 1/2 oz. \$1.00, per oz. \$7.50.

MYOSOTIS.

	Trade pkt.	Oz.
Eliza Fonrobert. Excellent for pots, blue.....	\$0.10	\$0.50
Palustris Semperflorens. Ever-blooming.....	.25	2.00

PETUNIAS.

Boddington's Quality Double Fringed. Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. 1/2 trade pkt. 60c., trade pkt. \$1.00.

Boddington's Snowball Double. The finest double; pure white. 1/2 trade pkt. 60c., trade pkt. \$1.00.

BODDINGTON'S CENTURY PRIZE. Gigantic single flower having the edges deeply ruffled or fluted; fine substance, with deep white throats. 1/2 trade pkt. 60c., trade pkt. \$1.00.

Boddington's Bar Harbor Beauty. Single. Color a beautiful rose. \$0.25

Boddington's Ruffled Giants. A grand selection of single fringed Petunias..... .50 | |

Boddington's Inimitable Dwarf Compact Hybrids, Single..... .25 | |

Emperor, Single. Large blossoms, distinct in form, coloring and marking..... .50 | |

Howard's Star. Rich crimson with a distinct white star in center..... .25 | |

Rosy Morn. Soft carmine pink..... .25 | |

Snowstorm. Pure single white..... .25 | |

Hybrida. Single Mixed..... Oz. 50c. | .15 |

PYRETHRUM.

	Trade pkt.	Oz.
Aureum (Golden Feather).....	\$0.10	\$0.25
Selaginoides. Foliage fine serrated.....	.15	.50

SHAMROCK.

	Trade pkt.	Oz.
(True Irish). Small leaved. 1/2 trade pkt. 25c.....	\$0.40	\$1.00

SALVIA.

	Trade pkt.	Oz.
Clara Bedman (Bonfire). 1 1/2 feet.....	\$0.25	\$2.00
Splendens (Scarlet Sage).....	.25	1.50
Splendens, Ball of Fire. Very dwarf and early.....	.25	3.50
Splendens aucubaeifolia (Silver-spot).....	.25	2.50
Splendens Carminea (new). Splendid rose carmine; dwarf.....	.25	
Splendens gigantea.....	.25	
Splendens pendula. Drooping spikes.....	.25	2.00
Splendens Zurich. 1/4 oz. \$1.75.....	.25	6.00

STOCKS.

Boddington's Quality Large-Flowering German Ten-Weeks Stocks.

	Trade pkt.	Oz.
Brilliant Rose.....	\$0.25	
Canary Yellow.....	.25	
Crimson.....	.25	
Dark Blood Red.....	.25	
Dark Violet Blue.....	.25	
Dark Purple.....	.25	
Flesh Color.....	.25	
Light Blue.....	.25	
Snow White.....	.25	
Fine Mixed.....	.25	

GIANT PERFECTION STOCKS.

White. Pyramidal long spikes of large double flowers, splendid for glass culture and for florists' purposes. Trade pkt. 25c., 1/4 oz. \$1.25, 1/2 oz. \$2.00, oz. \$3.75.

Boddington's Quality Cut-and-Come-Again.

These splendid Stocks will flower continuously through the Summer if sown early.

	Trade pkt.	Oz.
Princess Alice. White.....	\$0.25	
Apple Blossom. Light pink.....	.25	
Peach Blossom. Soft pink.....	.25	
Chamoise.....	.25	
Bridesmaid. Rose.....	.25	
Canary. Yellow.....	.25	
Flamingo. Blood red.....	.25	
Blue Jay. Light blue.....	.25	
Violet. Dark blue.....	.25	
Carmine. Crimson.....	.25	

QUALITY VERBENAS.

	Trade pkt.	Oz.
Boddington's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors. Mixed.....	\$0.25	\$1.75
Boddington's Mammoth Auricula-flowered. Large flowers with distinct white eye.....	.25	1.75
Boddington's Mammoth Blue.....	.25	1.75
Boddington's Mammoth Pink.....	.25	1.75
Boddington's Mammoth Scarlet Defiance. The finest scarlet sort.....	.25	1.75
Boddington's White (Candidissima). Pure white.....	.25	1.75
Boddington's Striped. Many colors.....	.25	1.75
Lemon (Aloysia citrodora).....	.25	1.50

VINCA.

	Trade pkt.	Oz.
Alba. White.....	\$0.15	\$0.75
Rosea. Rose.....	.15	.75
Rosea alba. Rose and white.....	.15	.75
Mixed.....	.10	.40

We are headquarters for SWEET PEAS of every description. Our Wholesale Catalogue of Quality Seeds and Bulbs (now ready) contains 52 pages of Seeds and Bulbs you need. Write for it today—a postcard will fetch it.

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th St., NEW YORK CITY

Seed Trade

Seed House Gives Insurance.

The employees at the Burpee Seed House, Fifth and Buttonwood streets, when each of them was given a Christmas card found it was accompanied by a life insurance policy for an amount equal to a year's salary of the recipient, the sums ranging from \$500 to \$5,000. The presentation took place at the noon hour in the rest room, Mr. Burpee and Howard M. Earl, another member of the firm, handing out the certificates.

The insurance was issued through the Equitable Life Assurance Society through its special agent, Frederick G. Jones, and is on the "group plan." Mr. Jones said to the employees as they gathered to receive their policies:

Mr. Burpee believes that man and women cannot do their best work if their mind is distracted by fears for the future of those dependent upon them for support, and his Christmas gift to you helps you to solve this problem by creating an estate for each equal to one year's wages, and available when most needed, that is, when wages cease at death.

W. Atlee Burpee, the founder, and Howard M. Earl have been planning along this line for some time, and propose to supplement today's generous gift with further permanent benefits, such as endowment policies, old age pensions, etc.

After the policies had been distributed, Mr. Burpee, with his two sons, David and W. Atlee, Jr., passed out 2000 bright new silver 25-cent pieces to as many eager lads who were formed in line by several policemen. The boys were prevented from "repeating" by being required to present tickets for their quarters.—*Philadelphia Record*, December 25, 1912.

Notes.

Clarinda, Ia.—The A. A. Berry Seed Co. is building a 40x50 foot, three-story warehouse.

Waterloo, Ia.—The Galloway Bros.-Bowman Co. have completed a new warehouse. It is a two-story, cement block building 48x60 feet, with basement.

Milwaukee, Wis.—G. H. Hunkle & Co. have purchased the business of the Wernich Seed Co., 27-29 Juneau avenue, and will use the building as a warehouse.

W. Atlee Burpee's holiday souvenir to his friends in the trade this year is a dainty nicked buttonhole bouquet holder. It is not only useful but suggestive, for everybody who gets one will be constantly reminded that he should have a boutonniere. Which is good for the business.

CATALOGUES RECEIVED.

R. Vincent, Jr., & Sons Co., White Marsh, Md.—Circular of new bright scarlet geranium (zonal pelargonium) Helen Michell. To be disseminated January-March, 1913.

A. T. Boddington, New York City.—Garden Guide, Spring 1913. A most inspiring catalogue. Comprehensive in all departments of flower and vege-

New Crop Florist's Flower Seeds

VERBENA

	Tr.	Pkt.	Oz.
Mammoth Fancy Blue.....	30	\$1.25	
" " Pink.....	30	1.25	
" " Scarlet.....	30	1.25	
" " Striped.....	30	1.25	
" " White.....	30	1.25	
" " Mixed.....	30	1.00	

SALVIA

Michell's Scarlet Glow.....	50	4.00	
Bonfire	40	2.00	
Zurich	50	4.00	
Splendens	25	1.25	
King of Carpets.....	50	3.00	

BEGONIA

Vernon	25	2.50	
Gracilis Luminosa.....	40		
" Prima Donna.....	50		
" Rosea	30		
" Alba	30		

CENTAUREA

Gymnocarpa.....	1000 seeds, 15c.	.40	
Candidissima.....	1000 seeds, 30c.	.75	

LOBELIA

Crystal Palace Compacta.....	30	1.25	
Barnard's Perpetual.....	\$25	\$1.00	
Crystal Palace Speciosa.....	15	.50	

Send for our Flower Seed Order Sheet. It's very handy to order your Flower Seeds from this order sheet.

PETUNIA

	1/2 Tr.	Tr.	Pkt.	Pkt.
Michell's Monstrosus.....	\$60	\$1.00		
California Giants.....	.30	.50		
Grandiflora Fringed.....	.30	.50		
Dwarf Inimitable.....	.30	.50		
Snowball .....		.30		

PHLOX DRUMMONDI

	Tr.	Pkt.	Oz.
Dwarf Crimson with Eye.....	\$40	\$1.75	
" Fireball40	1.75	
" Pink40	1.75	
" Snowball40	1.75	
" Mixed40	1.25	

PYRETHRUM

Aureum10	.25	
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THUNBERGIA

White with Dark Eye.....	.15	.60	
Buff with Dark Eye.....	.15	.60	
Orange with Dark Eye.....	.15	.60	
Mixed .....	.15	.50	

ASPARAGUS

Plumosus Nanus (Greenhouse Grown)			
100 seeds, 50c.; \$3.75 per 1000 seeds;			
5000 seeds, \$18.00; \$34.00 per 10,000 seeds.			

HENRY F. MICHELL COMPANY
518 Market Street - - - Philadelphia, Pa.

table seeds, hardy roots and plants, garden implements, etc., and superbly illustrated in a style seldom attained in American seed catalogues. The cover is white with a sweet pea design in green, red and gold. A wire attachment for hanging up the book is an innovation that many will appreciate.

Peter Henderson & Co., New York. Everything for the Garden, 1913—This, one of our most prized annual visitors for many years, has come promptly to hand among the earliest of the "early birds." It is resplendent in dress of white and gold within which are framed two beautiful formal garden scenes in bright colors. Among the illustrations which adorn the two hundred pages of garden instruction are six in colors. The half tone cuts are fine and the typographical work excellent. The "novelty" pages are full of interest as usual.

W. Atlee Burpee & Co., Philadelphia, Pa.—Burpee's Annual for 1913. "The Plain Truth About the Best Seeds That Grow," 37th year. A portrait in natural colors of the brilliant new Spencer sweet pea, "Stirling Stent," adorns the front cover and on the rear page is a tempting illustration of Burpee's new "Spicy" cantaloupe. There are full-page color pictures of new Dwarf Giant tomato, superb new hybrids of *Dimorphotheca aurantiaca*, five of the finest new Spencer sweet peas and a page of eight elegant wrinkled peas. Many tested novelties are listed in both vegetable and flower seed sections.

R. & J. Farquhar & Co., Boston, Mass.—Farquhar's Garden Annual, 1913. The most attractive catalogue this enterprising house has issued. The covers bear beautiful drawings in colors of two of the handsomest of the recent shrub introductions—*Azalea Kaempferi* and *Buddleias variabilis Veitchiana* and *variabilis magnifica*. A feature of the contents is the remarkable list of new and rare plants from the wilds of China, of which this firm has with far-sighted enterprise and at very great expense secured a control.

FINE STOCK PLANTS

ASPARAGUS PLUMOSUS and ASPARAGUS SPRENGERI.

From 2 1/4 inch pots, \$3.00 per C. \$25.00 per M.

Smilax, from 2 1/4 inch pots, \$2.00 per C. Single Bedding Hyacinths.

White, Red and Blue, \$1.60 per C.; \$15.00 per M.

To secure these prices mention this Paper.

James Vick's Sons
ROCHESTER, N. Y.
THE FLOWER CITY.



They are the discoveries of the renowned collector, E. H. Wilson, and include some 30 species and varieties of ampelopsis, berberis, clematis, cotoneaster, deutzia, philadelphus, spiraea, syringa, etc. The catalogue is, as usual, replete with good things and profusely illustrated.

LILIES

Lilium Myriophyllum
Lilium Sargentiae

The bulbs of these magnificent new Lilies are now ready for delivery. For the best results next year, they should be planted at once.

Price \$1.50 each, \$15.00 per doz.

R. & J. Farquhar & Co.
Boston, Mass.

Thorburn's Seeds

WE have a very fine stock—Berlin and Hamburg, best ever imported—of Lily of the Valley Pips, in splendid condition. Send your order without delay.

\$10.00 per 1000 (in 1000 and 3000 cases)

J. M. THORBURN & CO.
110 years in business in New York City
33 Barclay Street - - New York

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WHOLESALE FIELD AND GARDEN SEEDS
Established 1818
Write For Our Low Prices
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GET IT FROM
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Enid - - Oklahoma

Place Your Order Now For
AYRES' WINTER FLOWERING
SWEET PEA SEED

For Fall Delivery
S. BRYSON AYRES CO.
"Renowned Sweet Pea Specialists"
Sunnyslope - - Independence, Mo.

Roses, Carnation Plants,
Seeds, Bulbs

Send us your wants. We will take care of them. We supply stock at market price.

Catalogue for the asking
S. S. SKIDELSKY & CO.
1215 Betz Bldg. - - Philadelphia.



GOOD-BYE OLD 1912

Let us start you right for 1913. Commence sowing the following seed which has just arrived.

Bellis Perennis, tr. pkt.	25	oz.	\$1.50
Cobea Scandens, tr. pkt.	15	"	.30
Candytuft, giant white	10	"	.20
Lobelia Compacta, dwf.	25	"	1.75
Reseda Defiance	15	"	.50
Myosotis Victoria	25	"	1.00
Stocks, Come-again	25	"	2.00
Verbena, Mammoth	20	"	.60
Vinca Rosea	15	"	.50

WM. ELLIOTT & SONS
42 VESEY STREET - - - NEW YORK

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and all Garden Seeds }

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO
UNION SETS
Write for Prices

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ONION SETS

We are large growers of and dealers in the best varieties and choicest stocks. Let us know your wants.

ISCHILDER BROS.
'CHILLICOTHE, O.

SPIREA GLADSTONE

Extra Strong Clumps

Per 100, \$10.00; Per 1000, \$80.00

O. V. Zangen, - Hoboken, N. J.

SEEDS

For Early Sowing

Price List for the Asking

The W. W. Barnard Co.

231-235 W. Madison St., CHICAGO

The Everett B. Clark Seed Co.

GROWERS FOR THE TRADE

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin
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Write for Samples and Prices.

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FITCHBURG, MASS.

GARDEN SEED

BEET, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

S. D. WOODRUFF & SONS, 82 Day St., NEW YORK
and Orange, Conn.

BEAULIEU

Importer of Best French Seeds

I have received over 3000 new seeds. Send for List. No "short crop" about me.

New Store, 4197 University Place, Woodhaven, N. Y.
Telephone 1749 Richmond Hill

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BEST STOCKS. ALL VARIETIES.

The Haven Seed Co.

Growers for Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

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 Cincinnati, Ohio, 150 E. 4th St.....Hardesty, T. W. & Co.
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 Cleveland, Ohio, 1284 & 1308 Euclid Ave.....
The Jones Russell Co.
 Cleveland, Ohio, 1836 W. 25th St.....Knoble Bros.
 Colorado Springs, Colo.....Crumpp, Frank F.
 Council Bluffs, Iowa, 321 Broadway.....Wilcox, J. F. & Son
 Danville, Ill.....Smith, F. B. & Sons
 Dayton, Ohio, 112 South Main St.....Heiss Co.
 Denver, Colo., 1643 Broadway.....The Park Floral Co.
 Detroit, Mich., 153 Bates St.....Bemb Floral Co., The L.
 Detroit, Mich., Gratoit Ave. and Broadway.....
Breitmeyer's Sons, John
 Galesburg, Ill.....Pillsbury, I. L.
 Fayetteville, Ark., 18 W. Center St.....
The Southwestern Seed Co.
 Hartford, Conn.....Coombs, John F.
 Indianapolis, Ind., 241 Massachusetts Ave.....
Bertermann Bros. Co.
 Joliet, Ill., Hobbs Bldg.....Labo, Joseph
 Kalamazoo, Mich., 141 S. Burdick St. Van Bochove & Bros.
 Kansas City, Mo., 913 Grand Ave.....Murray, Samuel
 Kansas City, Mo., 1116 Walnut St.....Rock, W. L. Flower Co.
 London, Ont., Canada.....Gammage & Sons, J.
 Louisville, Ky., 550 S. 4th Ave.....Schulz, Jacob
 Louisville, Ky., Masonic Temple.....Baumer, August R.
 Mankato, Minn.....Windmiller Co., The

Montgomery, Ala., 116 Dexter Ave.....Rosemont Gardens
 Mt. Vernon, N. Y., Columbia Ave.....Dummett, Arthur
 Newark, Ohio.....Duerr, Chas. A.
 New Castle, Pa., North Mercer St.....Butz Bros.
 New London, Conn....."Reuters"
 New York, N. Y., Madison Ave. and 44th St., Dards, Chas. A.
 New York, N. Y., 1153 Broadway.....Small, J. H. & Sons
 New York, N. Y., 423-427 Fifth Ave.....Siebrecht & Son
 Northampton, Mass.....Field, H. W.
 Norwich, Conn....."Reuters"
 Oklahoma City, Okla.....Stiles Co., The
 Parkersburg, W. Va.....Dudley & Sons, J. W.
 Paterson, N. J.....Screery, Edward
 Philadelphia, Pa., 1514 Chestnut St.....Pennock Bros.
 Pittsburgh, Pa., 5936 Penn Ave.....Randolph & McClements
 Portland, Ore., 133 6th St.....Tonseth Floral Co.
 Poughkeepsie, N. Y.....The Saltford Flower Shop
 Rochester, N. Y., 25 Clinton Ave.....Keller & Sons
 Rockford, Ill.....Buckbee, H. W.
 Scranton, Pa.....Clark, G. R.
 Seattle, Wash., 1534 2nd Ave.....Hollywood Gardens
 Sioux City, Ia., 405 Douglas St.....Rocklin & Lehman
 Spokane, Wash., 11 Post St.....Hoyt Bros. Co.
 Springfield, Mass., 378 Main St.....Altken, Mark
 St. Joseph, Mo.....Stuppy Floral Co.
 St. Louis, Mo., 7th and Washington Ave.....Grimm & Gorly
 St. Louis, Mo., 7041 Florissant Ave.....Meinhardt, Fred A.
 St. Paul, Minn., 24 W. 5th St.....Holm & Olson
 Terre Haute, Ind., 139 S. 7th St.....Heinl, John G. & Son
 Topeka, Kans., 112 W. 8th St.....Mrs. Lord's Flower Room
 Toledo, Ohio, 336 Superior St.....Freeman, Mrs. J. B.
 Toledo, Ohio, 2941 Cherry St.....Suder, Mrs. E.
 Washington, D. C., 1214 F St., N. W.....Gude Bros Co.
 Washington, D. C., 14th and G. Sts.....Small, J. H. & Sons
 Wheeling, W. Va.....Langhans, Arthur
 Wichita, Kan., 145 N. Main St.....Mueller, Chas. P.
 Zanesville, Ohio, 54 N. 5th St.....Imlay, John D.

OTHER DIRECTORS

Ernst Wienhoeber
 A. B. Cartledge
 Fred H. Meinhardt

Philip Breitmeyer
 George Asmus
 J. A. Valentine

500 MEMBERS IN 1915.
WHEN CAN WE ADD YOUR NAME ON THIS LIST

HELP GET THEM

JOHN BREITMEYER'S SONS
 Cor. Miami and Gratiot Aves.
 DETROIT, MICH.
Artistic Designs . . .
High Grade Cut Blooms
 We cover all Michigan points and good sections of Ohio, Indiana and Canada.
 Members Florists' Telegraph Delivery Association.

WILLIAM J. SMYTH
 Cor. Michigan Ave. and 31st St.,
 CHICAGO, ILL.
 (Member Florists' Telegraph Delivery Asso.)
 We ship to all points in Illinois and Iowa.
 Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY
 Kansas City, Mo.
 913 Grand Ave.
 Member of the Florists' Telegraph Delivery.
 All Orders Given Prompt and Careful Attention

Of Interest to Retail Florists

STEAMER DEPARTURES

Allan.
 Sicilian. Boston-Glasgow.....Jan. 2
 American.
 New York N. Y.-S'hampton...Jan. 4
 St. Paul, N. Y.-S'hampton...Jan. 11
 Atlantic Transport.
 Minnehaha, N. Y.-London....Jan. 4
 Cunard.
 Caramania, N. Y.-Liverpool...Jan. 11
 Laconia, N. Y.-Mediterr'n...Jan. 4
 Carmania, N. Y.-Liverpool...Jan. 11
 Hamburg-American.
 Pres. Lincoln, N. Y.-H'mb'rg...Dec. 28
 Amerika, N. Y.-Hamburg...Jan. 4
 Patricia, N. Y.-Hamburg...Jan. 11
 Holland-America.
 Rotterdam, N. Y.-Rotterdam...Jan. 4
 Potsdam, N. Y.-Rotterdam...Jan. 7
 Leyland.
 Bohemian, Boston-Liverpool...Jan. 11
 North German Lloyd.
 Geo. Wash'ton, N. Y.-Br'm'n...Jan. 4
 Red Star.
 Lapland, N. Y.-Antwerp...Jan. 1
 Kroonland, N. Y.-Antwerp...Jan. 8
 White Star.
 Celtic, N. Y.-Liverpool...Jan. 4
 Adriatic, N. Y.-Mediterr'n...Jan. 7
 Oceanic, N. Y.-S'hampton...Jan. 8
 Arabic, Boston-Liverpool...Jan. 14

The Park Floral Co.

J. A. VALENTINE

Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Asso.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston
and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

BOSTON'S BEST
In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, BOSTON.

CARBONE

Member Florists' Telegraph Delivery
342 Boylston St., Boston

Vases, Garden Furniture, Art Goods and
New Designs in Tuscan Baskets for
Florists' Use, in Wholesale Department.

H. F. A. Lange

WORCESTER, - MASS.

Deliveries to all Points in New England.
125,000 square feet of glass.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists Telegraph Delivery

Flower Deliveries In

ROCHESTER, N. Y.

Salter Bros

38 MAIN STREET, WEST.

The California Florist

JULIUS EPPSTEIN — FRANK H. FORREST

344 - 346 Geary Street, SAN FRANCISCO,
and Hotel St. Francis, CAL.

We cover the entire Pacific Coast and West
of the Rockies. Wire us your orders for
all Steamers sailing for Honolulu, Manila
and the Orient. Regular Trade Discount.

FLOWERS BY TELEGRAPH

SAN FRANCISCO
CALIFORNIA

Pelicano, Rossi & Co.
123 KEARNY ST.

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - - TORONTO, ONT.

MONTREAL

HALL & ROBINSON

825 ST. CATHERINE ST., W.

All Transfer
Orders Filled
Under Per-
sonal Supervi-
sion.

Of Interest to Retail Florists

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 76 Maiden
Lane.

Amsterdam, N. Y.—John C. Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Ed. MacMulkin, 194 Boylston St.
Boston—Penn, the Florist, 37-43 Brom-
field St.

Boston—Julius A. Zinn, 1 Park St.
Boston—Philip L. Carbone, 342 Boylston
St.

Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Chicago—A. Lange, 25 E. Madison St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Denver, Col.—Park Floral Co., 1643 B'way.

Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves

Detroit, Mich.—Florists' Telegraph De-
livery Association.

Kansas City, Mo.—Samuel Murray, 912
Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.

Montreal, Can.—Hall & Robinson, 825 St.
Catherine St., W.

New York—George M. Stumpp, 761 Fifth
Ave., cor. E. 58th St.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St.
and Madison Ave.

New York—Alfred T. Bunyard, 413 Madri-
son Ave.

New York—Bloomingdale's.
Providence, R. I.—Johnston Bros., 38
Dorrance St.

Providence, R. I.—T. J. Johnston & Co.,
171 Weybosset St.

Rochester, N. Y.—Salter Bros., 38 Main
St., West.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

San Francisco, Cal.—The California
Florist, 344-346 Geary St.

San Francisco, Cal.—Pelicano, Rossi &
Co., 123 Kearny St.

Schenectady, N. Y.—J. C. Hatcher.
St. Paul—Holm & Olson, Inc.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Wellesley, Mass.—Tailby.
Worcester, Mass.—H. F. A. Lange.

NEW FLOWER STORES.

Columbus, O.—Ohio Cut Flower Co.
Mattoon, Ill.—A. D. King, 1513
Broadway.

Boston, Mass.—Charles Cook, Eg-
gleston Square.

Tampa, Fla.—The Flower Shop, 605
Franklin street.

Brooklyn, N. Y.—Paul B. Meisner,
233 Kingston avenue, branch store.

Alton, Ill.—Alton Floral Co., Second
and Abby streets, greenhouse and
store.

Albert H. Woods, florist, of Brook-
line, Mass., who shot and killed
Thomas Goldrop on the night of Sept.
18, after the latter had stolen a quan-
tity of his violets, pleaded guilty on
Dec. 18, to manslaughter, at the open-
ing of the December term of the su-
perior criminal court at Dedham.
Woods' case was continued by Judge
King until the April session of court
and he was released on \$5000 bail.

BOSTON, MASS.

Penn the Florist

"Penn, The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET

TRANSFER

Your orders for flower or plant de-
livery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston



GUDE BROS. CO
FLORISTS
1214 F. ST., N.W.
WASHINGTON, D.C.

**WASHINGTON,
D. C.**

GUDE'S

Member Florists'
Telegraph Delivery.

Chicago.

A. LANGE,
25 E. MADISON ST.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

WASHINGTON—

915 F ST. N. W.

F. H. KRAMER

Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work First Class

RHODE ISLAND

JOHNSTON BROTHERS

Leading Florists. Orders filled for any
part of the State.

38 Dorrance Street - - - PROVIDENCE

Hatcher

Estab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Member Florists' Telegraph Delivery.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 44-2.



SUCCESSFUL FLORISTS

all over the country are using McCray Refrigerators. The circulation of air is so strong and steady that there can be no stagnation or dampness, so that your stock will always be fresh and fragrant. Furthermore the saving in ice will more than pay for the cost.

McCray Refrigerators

will lend attractiveness to your shop. Beautifully made and finished, they are lined with white enamel, opal glass, tile, mirrors or marble, as you desire. Write today for our catalog No. 72 which will give you ideas how to add to the attractiveness of your establishment.

McCRAY REFRIGERATOR CO.

Chicago Office, 55 Wabash Ave. 553 Lake St., Kendallville, Ind. New York Office, 231 West 42nd St.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

*Cost of Cabling Foreign Deliveries
Must be Prepaid*

Reference or cash must accompany all orders from unknown correspondents.

Cable Address, ALEXCONNELL.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

GEORGE M. STUMPP

761 Fifth Ave., Cor. E 58th St.

NEW YORK CITY



BROOKLYN
NEW YORK

3 & 5 Greene Ave.
Tel. 6800 Prospect

339-347 Greene Ave. Tel. 3908 Prospect

Established 1874

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City
(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dards-flor.

PROVIDENCE, R. I.

and all T. J. JOHNSTON & CO.,
New England Points 171 Weybosset Street

Of Interest to Retail Florists

Thomas F. Galvin, Inc., of Boston will open a New York store next year. They have leased from Klein & Jackson, 561 5th avenue, corner 46th street, for a term of 20 years, from Oct. 1,



THOMAS F. GALVIN

1913, together with two renewal privileges, each for a term of 21 years. Upon the lot 25.5x100 feet, the lessees will erect a new six-story building from plans of Rouse & Goldstone, architects. The lease, as recorded, shows an annual net rental of \$37,000. W. A. Bridgeman, well-known in New York retail trade, will be manager of the new store.

INCORPORATED.

New York, N. Y.—Siebrecht & Siebrecht, wholesale florists, capital stock \$20,000. Incorporators: George C. Siebrecht, Walter R. Siebrecht, and William H. Siebrecht.

Al. L. Bock, well-known in New York and Boston retail florist circles, is now with Thomas F. Galvin, Tremont street, Boston.

NEW YORK

A. J. Bungard
FLORIST

413

Madison Ave.

at 48th St.

Tel. Murray Hill

1920

New York

Bloomingdale's

The Largest Floral Establishment in the Metropolis

Best Service—Quick Delivery—Modest Prices

Telegraph Orders Carefully Filled

THE ROSERY

76 MAIDEN LANE

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

PERSONAL.

Walter Freudenberg, formerly of Elkhart Lake, Wis., is now foreman at the greenhouses of William H. Ford, at Marshalltown, Ia.

On Tuesday evening, Dec. 24, Mr. and Mrs. William Gardner celebrated at Halifax, Mass., the twenty-fifth anniversary of their marriage. They were the recipient of many kind congratulations from friends far and near. Mr. Gardner is foreman for the Halifax Garden Co.

C. R. Orton, of Purdue University, has been elected to fill the vacancy at the Pennsylvania State College, made by the resignation of Professor H. R. Fulton. Mr. Orton will take up his duties on January 1, and will have charge of the teaching and investigation in Plant Pathology which includes Forest Pathology as well as the other special courses in plant diseases

HART MAKES HANDLES FOR POTS

With Paper or Porto Rican Mats They Make Baskets. These are the Well-Known HART'S HANDY HANDLES.

Shipments are being made daily eastward to Boston, westward to San Francisco—and everywhere else. Once used, always used, because they are SO HANDY.

Prices per dozen—No. 1, \$2.50; No. 2, \$3.50; No. 3, \$4.00;
No. 4, \$5.00; No. 5, \$6.00.

GEORGE B. HART, 24 Stone St., Rochester, N.Y.

CHRISTMAS JOTTINGS FROM CHICAGO.

Mistletoe was in unusual demand and wholesalers generally sold out early.

Wreaths of statice and ruscus were found to meet with favor among Christmas shoppers.

Retailers were offering five dollars per night to makers of holly wreaths and could not get enough help.

It was evident that the shipping trade makes possible the highest prices as there was a decided drop as soon as the shipping was over.

There was no lack of Christmas trees and the public purchased as freely as ever. Very symmetrical trees three feet and over were sold in the ten-cent stores.

Holly will be left over in quantities. There were too many boxes of poor grade put upon the market that would not sell at any price. Good holly was plentiful and no doubt more would have been sold could holly workers have been secured.

Plant novelties were few, but there was one noteworthy offering seen here for the first time at the holiday season. It was funkia, brought to its best and its variegated foliage made a beautiful addition to both the small

WATCH OUT FOR DEVELOPMENTS

In renewing our Holiday greetings of last week, and in congratulating you and ourselves on the splendid outcome: We wish to emphasize that our hand is still at the plow, and that you may look to us to show the way to the better and better during 1913. And, that we mean to show you more ways of making money and putting your business to the front than ever before. Onward! ever onward! is the slogan! If you want to be a leader—get next to

H. BAYERSDORFER & CO.

THE FLORISTS' SUPPLY HOUSE OF AMERICA

1229 ARCH ST.

PHILADELPHIA, PA.

basket and the more pretentious hamper. It proved a successful venture.

One of the holiday standbys that has lost none of its popularity is the holly wreath. The wholesalers displayed their "help wanted" signs to the last, trying to make up enough to

fill orders and the retail stores had all the orders they could fill without a moment left to make up wreaths for general stock. Wreaths were considerably varied in size and many orders called for a bunch of ilex on one side instead of the older bow of red ribbon, but they were wreaths of live holly and customers showed their appreciation of the one natural and low-priced article with old-time associations.



CHRYSANTHEMUM DINNER TABLE DECORATION
1st Prize Awarded to Edward McMulkin at Boston Exhibition

EVER READY POT COVER



The modern way of artistically decorating unsightly clay flower pots. Makes plants sell better as they are artistic and attractive. Inexpensive, durable and instantly applied.

Made in four colors and many sizes. Sample will be sent on receipt of 10c.

Ever Ready Flower Pot Cover Co.
146 HUGHES AVE., BUFFALO, N. Y.

BEAUTIES

You can depend on us to fill your orders for Beauties, at the lowest market prices. Our stock is extra fine, we never had them better.

White Lilac

\$1.50 per bunch.

A steady supply from now on until Spring.

Boxwood Sprays

\$7.50 per case

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner 12th and Race Sts., **PHILADELPHIA**

THE BEST LETTERS

FOR
FLORIST'S
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST. BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

GEORGE B. HART

WHOLESALE FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

HOERBER BROS.

Wholesale Growers of
Cut Flowers

WE GROW BRIDES

Greenhouses at
Des Plaines, Ill.

162 N. Wabash Ave.
CHICAGO, ILL.

POEHLMANN BROS. CO.

Cut Flowers All the Year Round

33-35-37 RANDOLPH STREET,
Greenhouses, Morton Grove, Ill.

CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	CINCINNATI December 24	DETROIT December 24	BUFFALO December 24	PITTSBURGH December 24
Am. Beauty, Fancy and Special....	75.00 to 100.00	..... to 100.00	75.00 to 100.00	75.00 to 100.00
“ “ Extra.....	50.00 to 75.00	80.00 to 90.00	50.00 to 75.00	50.00 to 75.00
“ “ No. 1.....	25.00 to 50.00	60.00 to 70.00	25.00 to 50.00	20.00 to 50.00
“ “ Lower Grades.....	8.00 to 20.00	10.00 to 50.00	8.00 to 20.00	8.00 to 20.00
Killarney, Richmond, Maryland...	4.00 to 20.00	10.00 to 35.00	4.00 to 20.00	4.00 to 20.00
Bride, 'Maid.....	4.00 to 20.00	8.00 to 25.00	4.00 to 20.00	4.00 to 20.00
Hillingdon, Ward, Melody.....	4.00 to 20.00	8.00 to 30.00	4.00 to 20.00	4.00 to 20.00
Taft, Sunburst.....	4.00 to 20.00	8.00 to 25.00	4.00 to 20.00	4.00 to 20.00
Carnations.....	6.00 to 10.00	6.00 to 12.00	6.00 to 10.00	6.00 to 10.00
Cattleyas.....	..... to 50.00	..... to 50.00	..... to 50.00	..... to 50.00
Lilies, Longiflorum.....	12.50 to 15.00	12.50 to 15.00	12.50 to 15.00	12.50 to 15.00
Lily of the Valley.....	..... to 4.00	..... to 4.00	..... to 4.00	..... to 4.00
Paper White Narcissus.....	..... to 3.00	..... to 4.00	..... to 3.00	..... to 3.00
Stevia.....	..... to 1.00	..... to 3.00	..... to 1.00	..... to 1.00
Violets.....	..... to 1.00	1.50 to 2.00	..... to 1.00	..... to 1.00
Daisies.....	..... to 1.00	..... to 1.00	..... to 1.00	..... to 1.00
Sweet Peas.....	.75 to 1.50	..... to 2.00	.75 to 1.50	.75 to 1.50
Gardenias.....	..... to 1.00	..... to 1.00	..... to 1.00	..... to 1.00
Adiantum.....	..... to 1.00	1.00 to 1.50	..... to 1.00	..... to 1.00
Smilax.....	..... to 12.50	..... to 12.50	..... to 12.50	..... to 12.50
Asparagus Plumous, Strings (100).....	..... to 50.00	25.00 to 35.00	..... to 50.00	..... to 50.00
“ “ & Spreng. (100 bchs.).....	20.00 to 25.00	25.00 to 35.00	20.00 to 25.00	20.00 to 25.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

CHICAGO CARNATION COMPANY

A. T. PYFER, Manager

30 East Randolph Street,

CHICAGO, ILL.

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, CHICAGO

POINSETTIAS

A decoration at New Years would not be in keeping if it were not in red, and what is handsomer and more showy or more brilliantly red than a decoration of Poinsettias? An unusually choice lot, we will have, medium, large and extra large, at \$30.00 and \$40.00 per 100.

HEADQUARTERS FOR GREENS

WILD SMILAX: \$5.00 per case.
GREEN OR BRONZE GALAX: \$1.50 per 1,000; \$7.50 per 10,000.
LEUCOTHOE SPRAYS (green and bronze) \$1.00 per 100; \$7.50 per 1,000.
GREEN SHEET MOSS: \$3.50 per bag.
SPHAGNUM MOSS: Ten bbl. bales, nicely burlapped, each \$4.00; 5 bale lots, \$3.75 each; 10 bale lots, \$3.50 each; 25 bale lots, \$3.25 each.
MEXICAN IVY: \$1.00 per 100; \$7.50 per 1,000.
BOXWOOD: 50 lb. cases, \$7.50 each.
DAGGER FERNS: \$2.00 per 1,000.

RIBBONS AND SUPPLIES: Many new patterns in exclusive Ribbons. Write us for prices on these and on Supplies.

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA
1608-1620 Ludlow St.

NEW YORK
117 W. 28th St.

WASHINGTON
1216 H St., N. W.

Flower Market Reports

BALTIMORE The Christmas trade seems to have been better this year than in preceding years. The weather during the past week was ideal, warm and clear, and no extra wrapping of cut flowers and plants was necessary. All the plants were fine, especially poinsettias, begonias and azaleas. Cut flowers notwithstanding the advance in prices, are selling better than in former years, and the stock is of extra fine quality. Roses are excellent, but there is no abundance of them. Carnations and violets are plentiful and good. Bulbous stock is abundant with a light demand.

BOSTON It was a glorious Christmas for all; growers, wholesalers and retailers all tell the same story for the Boston trade. All this, notwithstanding the fierce snow blockade which intruded its unwelcome presence on the 24th, and made havoc with the delivery service generally. The retail dealers say that the storm did not hurt them any as far as the sales were concerned, but only in the transportation. In fact, judging by the crowds that packed all the city stores, there was all the business that could possibly be accommodated, and this with an army of extra helpers, some of them not any too good. The plant people were all cleaned up several days ahead of the big holiday. The retail people disposed of everything, azaleas alone excepted and these only because they were inferior—mostly green leaves with a few stubby blooms and not fit for any useful purpose. The best seller of all was the poinsettia and of this standard Christmas plant there was a genuine famine at the wind-up. As usual the plant trade prospered at the expense of the flower trade in so far as the latter was handicapped by prices that the public would not stand for. The cut flower trade was by far the biggest and best on record. Prices asked before the holiday were well maintained on everything that showed acceptable quality. The items most affected by the raise were roses and carnations and, in each case, the red varieties were the sprinters. No evidence of salting were seen and no criticism of the quality generally can

WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON December 26	CHICAGO December 24	ST. LOUIS December 24	PHILA December 24
Am. Beauty, Fancy and Special....	40.00 to 60.00	25.00 to 40.00	80.00 to 100.00	50.00 to 100.00
" " Extra.....	20.00 to 30.00	20.00 to 25.00	60.00 to 80.00	25.00 to 50.00
" " No. 1.....	10.00 to 15.00	10.00 to 20.00	40.00 to 50.00	15.00 to 25.00
" " Lower Grades.....	5.00 to 8.00	3.00 to 6.00	15.00 to 25.00	4.00 to 12.00
Killarney, Richmond, Maryland....	2.00 to 10.00	3.00 to 8.00	25.00 to 35.00	3.00 to 25.00
Bride, Maid.....	1.00 to 6.00	3.00 to 6.00	8.00 to 10.00	3.00 to 10.00
Hillingdon, Ward, Melody.....	2.00 to 10.00	3.00 to 8.00	25.00 to 35.00	4.00 to 18.00
Taft, Sunburst.....	2.00 to 10.00	3.00 to 10.00	25.00 to 35.00	4.00 to 20.00
Carnations.....	2.00 to 5.00	2.00 to 4.00	6.00 to 10.00	2.00 to 10.00
Cattleyas.....	40.00 to 60.00	40.00 to 75.00	50.00 to 75.00	40.00 to 75.00
Lilies, Longiflorum.....	6.00 to 10.00	6.00 to 10.00	12.00 to 15.00	6.00 to 10.00
Lily of the Valley.....	2.00 to 4.00	3.00 to 4.00	4.00 to 5.00	3.00 to 5.00
Paper White Narcissus.....	2.00 to 3.00	..... to	3.00 to 4.00	..... to 2.00
Stevia.....	1.00 to 1.50	..... to	2.00 to 3.00	1.00 to 1.50
Violets.....	.40 to 1.00	.50 to 1.00	1.00 to 2.00	.75 to 1.25
Daisies.....	1.00 to 1.50	..... to .....	..... to .....	.50 to 1.00
Sweet Peas.....	.50 to 1.00	.50 to 1.00	1.00 to 2.00	1.00 to 2.00
Gardenias.....	20.00 to 35.00	25.00 to 35.00	..... to	20.00 to 40.00
Adiantum.....	1.00 to 1.25	.75 to 1.00	1.00 to 1.25	.75 to 1.00
Smilax.....	10.00 to 15.00	12.00 to 15.00	12.00 to 15.00	8.00 to 12.00
Asparagus Plumosus, Strings (100).....	..... to 50.00	40.00 to 60.00	35.00 to 50.00	..... to 25.00
" " & Spren. (100 Bchs.).....	25.00 to 50.00	35.00 to 50.00	15.00 to 25.00	15.00 to 25.00

be justly made. Never before have carnations held their ground so well up to and through the special demand as they did this year. Retail buyers were unwilling to pay the price in many cases, however, and whether it be regarded as desirable or otherwise, the fact remains that many an azalea was sold to parties seeking carnations because of the price asked for the latter. In this connection it is well to remember that the money for growing the azalea goes across the Atlantic. The wholesale market did not show the surplus that was feared by many. The retail buyers seemed courageous and bought freely and fairly and showed a disposition to take a chance on their own account, so no fault can be found in that respect this year. This confidence in the ultimate result was well placed, for once, and none of those who invested can offer any reason for complaint. All the stores are like dismantled barracks on the morning after the fray. Much trouble and loss was occasioned to the large handlers of greens through a rigid enforcement of the moth quarantine rules locally, but more particularly in the case of Canadian shipments, the Dominion government having put on restrictions much more drastic than the Federal laws.

CHICAGO A most satisfactory holiday trade has been experienced by wholesalers up to this date, Christmas eve, the great bulk of which has been shipping.

Prices held up to previous quotations with very few exceptions and Saturday, Sunday and Monday all hands were kept busy till well into the night. All kinds of stock cleaned up and the arrivals of Monday and Tuesday were expected to be needed for local trade. This was something of a disappointment for the high prices turned much of the demand into the hands of the dealers in greens and prepared stock and sales of cut flowers lagged on Tuesday, even when lower prices prevailed. It is too early to speak the final word, but the retailers have a stock of blooming plants tempting enough to appeal to anyone and larger than ever before, and indications are that sales in plants, which have steadily increased each year, will be a record breaker this season. Some tulips, daffodils, narcissus, quantities of stevia, plenty of cut poinsettias, paper whites, lily of the valley, etc., were added to the supply of roses and carnations and afforded plenty of choice. Carnations remained till Tuesday the most scarce of all, stock and prices held firm from \$6 to \$12, according to grade and color. Indications now are that there will be more than can be used to advantage for the first time this season, though Christmas morning may find the market brisk enough to take care of all the carnations that accumulate Tuesday. Very few chrysanthemums were left for Christmas and were not popular with customers.

Continued on Page 911



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Successor to
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FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
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Call and inspect the Best Establishment
in the Wholesale Flower District.

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PUBLIC ACCOUNTANT AND AUDITOR
Simple methods of correct accounting
especially adapted for florists' use.
BOOKS BALANCED AND ADJUSTED
Merchants Bank Building
40 STATE ST. - - - BOSTON
Telephone, Main 58

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Fresh Cut Evergreens, Mosses,
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Preserved and Fresh Cut
Cycas and Palmetto.
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Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
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WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y

Wired Toothpicks
Manufactured by
W. J. COWEE, Berlin, N. Y.
10,000...\$1.75. 50,000...\$7.50. Sample free
For sale by dealers.

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Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes LARGEST GROWERS
by the 100, 1000 or 10,000 The HOME OF THE LILY
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CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

Established 1887 **J. K. ALLEN** Still Going Strong
OLDEST IN YEARS BUT UP-TO-DATE IN SERVICE
Cut Flower Consignments Solicited.
A SQUARE DEAL. PROMPT RETURNS. MONEY ALWAYS READY.
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Open 6 A. M. daily. Telephone, 167 and 4468 Mad. Sq.

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THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
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Mad. Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS		Last Half of Week ending Dec. 21 1912	First Half of Week beginning Dec. 23 1912
American Beauty, Fancy and Special		25.00 to 50.00	50.00 to 100.00
" " Extra		20.00 to 25.00	25.00 to 50.00
" " No. 1		8.00 to 15.00	15.00 to 25.00
" " Lower Grades		4.00 to 6.00	4.00 to 12.00
Killarney, Richmond, Maryland		4.00 to 12.00	3.00 to 25.00
Bride, Maid		2.00 to 8.00	3.00 to 10.00
Hillingdon, Ward, Melody		4.00 to 15.00	4.00 to 18.00
Tait, Sunburst		3.00 to 5.00	4.00 to 20.00
Carnations		3.00 to 10.00	2.00 to 10.00

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones {1664} Madison Square
1665

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TRAENDLY & SCHENCK
Wholesale Florists
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Shipments, any quantity, Whole-
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WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH.

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HENRY M. ROBINSON CO.
OF NEW YORK
Wholesale Florists
Maurice L. Glass, Manager
55-57 WEST 26th ST. - - - NEW YORK CITY
Special Attention to the Shipping Trade



Flower Market Reports

(Continued from page 909)

Any attempt, at this early moment, to make an average estimate of the extent and character of the holiday trade in this widespread market would be abortive. Each individual in the vast aggregation has his own experience, his own views and his own criticisms—some apparently justifiable and others simply chronic from year to year. Suffice it to say, for the present, that the plant growers and the plant dealers found the retail people ready to meet them "on the ground floor," and the public, on their part, were equally on the job with the retailers, so that the plant trade was a record-breaker. The cut flower supply was ample in most items and in quality was the best, probably, ever offered. There was some "cold storage" stock, of course, which brought only "cold storage" prices, but, as a general proposition, the stock sent in to the wholesale market was excellent and good prices were maintained until Tuesday, when, as might be expected, the tendency was decidedly downward. All the late received shipments had to submit to this reaction and some things—American Beauty, for instance—had shrunk in value about 50 per cent by Thursday A. M.

At this writing (Dec. 24) the market is bare of everything except pink roses. There is a plethora of Marylands and Killarneys, especially in the better grades, fancies and specials. Last year it was the lower grades. A complete turn around this year. Flower growing certainly is a queer proposition. No man can ever tell from past experience what is going to happen next year—which fact pleases your scribe. There is a glorious and delightful uncertainty about it that makes the know-it-alls shut up for at least a little while anyway. Carnations very scarce. Where they were cutting 2000 last year they are cutting 200 this. American Beauty has held its own better than last year. Instead of going down as expected, it keeps firm at starting prices. Cattleyas also have made a noise like a bang and have doubled up in value. The heavy snowfall which began on the 23rd interfered greatly with transportation, but, on the whole, it was a great Christmas, both for the cut flower and the plant men. Very little went to waste in any line and good prices were realized—in fact, better than was expected. Among the retail flower stores

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 76 Maiden Lane, ALBANY, N. Y.
WHOLESALE ONLY

—SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US—

Prices Right. Consignments Solicited. Telephone Connection

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

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383-387 ELlicOTT ST. - - BUFFALO, N. Y.

MONTREAL FLORAL EXCHANGE, LTD.

ORGANIZED FOR THE BENEFIT OF THE CANADIAN TRADE.

CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION.

Home-grown Stock a Specialty. STRICTLY WHOLESALE; NOTHING SOLD AT RETAIL.

Ample reference furnished as to standing and financial ability of the company.

123 MANSFIELD STREET, MONTREAL, P. Q.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Dec. 21 1912	First Half of Week beginning Dec. 23 1912
Cattleyas	40.00 to 75.00	40.00 to 75.00
Lilies, Longiflorum	6.00 to 10.00	6.00 to 10.00
Lily of the Valley	2.00 to 5.00	3.00 to 5.00
Paper White Narcissus	1.50 to 2.00	1.00 to 2.00
Stevia	1.00 to 1.50	1.00 to 1.50
Violets	.75 to 1.00	.75 to 1.25
Daisies	.50 to 1.50	.50 to 1.00
Sweet Peas	1.00 to 2.00	1.00 to 2.00
Mignonette	3.00 to 6.00	3.00 to 6.00
Gardenias	16.00 to 35.00	20.00 to 40.00
Adiantum	..... to 1.00	.75 to 1.00
Smilax	6.00 to 12.00	8.00 to 12.00
Asparagus Plumosus, strings (per 100)	..... to 20.00	..... to 25.00
& Spreu (100 bunches)	8.00 to 25.00	15.00 to 25.00

the Christmas trade was fine up to the day before—when the storm came and hurt things considerably; kept the folks indoors and hampered deliveries. We have heard it on all sides: "Oh, if that old blizzard had only held off one more day!" There is generally some "fly in the ointment" and perfect bliss is seldom vouchsafed—even to the Tam O'Shanter. "Kings may be blest but Tam was glorious, O'er all the ills of life victorious!"

ST. LOUIS

The market for Christmas has all the indications of being a good one. With fine weather stock could not be held back, so during the last week extra good consignments came in every day and the demand used it all up. There is an abundance of most things for the Christmas call. Prices are high but doubt is expressed as to whether they can be maintained. Next week's report will tell the tale.

PHILADELPHIA NOTES.

We have been favored this week by a visit from John Walker of Youngstown, Ohio, an old-time Philadelphian whose laugh is still perennial and as hearty as ever. No trolley wreck can knock that laugh out of John.

Another welcome visitor was our good friend Brown from Richmond, Va., who was intercepted by George Anderson the best shot of this vicinity. And by all accounts he had a

royal good time. The bald heads, according to George, are the people with brains.

Dennis T. Connor is back to his old love—the Lord & Burnham Co. We wish him well—and bespeak for him and his good firm, the respectful consideration of the trade in all their new enterprises.

The Rice Company request us to say that they cordially appreciate the splendid support they have received from the readers of HORTICULTURE during the past year and that they are one and all on the job to do bigger things during 1913.

Ernest Thomas, late of Girard College, late of Craig's, late of Lompoc, Cal., is now at Buena, N. J., having had to come East again for family reasons—and is now open for new worlds to conquer. We hear of various firms who are eager for him. Ernest will make good whoever gets him. All his old employers and associates think a lot of Ernest—with good reason.

Never in our journeys around the flower stores of Philadelphia have we found them busier or better decorated than this year. Pennock Bros., especially, were to the front with a most magnificent display of made-up baskets. They were one glorious dream—and one of the finest exhibits of how to separate the wealthy Philadelphian from his money that we have seen in our twenty-four years' sojourn in this good old burg.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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Aphine Mfg. Co., Madison, N. J.
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Godfrey Aschmann, Philadelphia, Pa.
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ASPARAGUS

Asparagus Sprengeri, 2 inch, \$2.00 per 100; \$18.00 per 1000. Cash please. Felsch Bros., Maywood, Ill.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Loechner & Co., New York, N. Y.
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Boblink & Atkins, Rutherford, N. J.
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Bay trees and Box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

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BEGONIAS

Vernon Begonias, 3 inch, in bloom, nice plants, \$3.00 per 100. Cash please. Felsch Bros., Maywood, Ill.

BOXWOOD TREES

Boblink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees, all sizes. Ask for special list.

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Hitchings & Co., 1170 Broadway, N. Y.

Lord & Burnham Co., 1133 Broadway, N. Y.
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Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Michell's Seed House, Philadelphia, Pa.
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Ralph M. Ward & Co., 71 Murray St., New York.
Horseshoe Brand Lily Bulbs.
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James Vick's Sons, Rochester, N. Y.
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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
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P. H. Goodsell, New York, N. Y.
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R. & J. Farquhar Co., Boston, Mass.
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Bulbs of all descriptions. Write for prices.
C. Keur & Sons, Hillegom, Holland.
New York Branch, 31-33 Broadway.

BURLAP MATS

Wm. Elliott & Sons, New York, N. Y.

CANNAS

THE IMPROVED CANNAS.
You can double your profits by stocking up with the new cannas. Be sure to get our list before you place your order. The Conard & Jones Company, West Grove, Penna.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

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CHRYSANTHEMUMS

A. N. Pierson, Inc., Cromwell, Conn.
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Chas. H. Totty, Madison, N. J.
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Elmer D. Smith & Co., Adrian, Mich.
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Chrysanthemum Stock Plants: Mary Coladay (Pink Garza), \$5.00 per doz., \$35.00 per 100; Overbrook (the earliest hardy pompon yellow), \$1.50 per doz., \$10.00 per hundred. Strafford Flower Farm, Strafford, Pa.

CHRYSANTHEMUM, THE. By A. Herrington. The author has endeavored to assist and direct the efforts of those who would grow and excel in producing perfect chrysanthemum flowers, showing that not in secret arts and practices, but in plain course of procedure are the desired results attained. Illustrated, 160 pages. Price 50 cents.

Orders filed by HORTICULTURE, 11 Hamilton Place, Boston.

CHRYSANTHEMUMS—Continued

Stock Chrysanthemum plants, Golden Glow, Pacific Supreme, White and Yellow Bonnafton, also other kinds, \$3.00 per 100. Cash with order or will exchange for rooted geranium cuttings. Felsch Bros., Maywood, Ill.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

William Hoffman, Pawtucket, R. I.

200,000 Giant Flowering Cyclamen, August seedlings. We received first prize on our blooming cyclamen at the show in Cleveland, O., and hold other first prizes. Our aim is strong growers, a well built five petal flower, with good color and fragrance, many of them at one time, well marked foliage and general good habits. Strong August Seedlings, \$2.50 per 100; \$20.00 per 1000.

What others say about our blooming plants: Mr. E. A. Corson, Rochester, N. H., Nov. 15, 1912: "Cyclamens received and am more than pleased. They are certainly fine plants and such a range of color. Arrived in good condition too."

Plants in bloom for Christmas, 75c., \$1.00, \$1.50 to \$2.00 each. Cultural directions with all orders. Christ. Winterich, Cyclamen specialist, Defiance, O.

DAHLIAS

East Bridgewater Dahlia Gardens are the largest and most up-to-date in America. Over 850,000 field clumps to offer at right prices. Be sure and send your wants to J. K. Alexander, The Eastern Dahlia King, East Bridgewater, Mass.

NEW DAHLIAS FOR 1912.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

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John Scott, Brooklyn, N. Y.
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Woodrow & Marketos, 41 West 28th St., New York.
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DRACAENAS

Dracaena Indivisa, 2 inch, \$2.00 per 100 or \$18.00 per 1000. Cash please. Felsch Bros., Maywood, Ill.

FERTILIZERS

Elmer D. Smith & Co., Adrian, Mich.
Fertiline.

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.
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A. Leathy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Frank Oechalin, 4911 Quincy St., Chicago.
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F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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Roosevelt ferns in bench, strong 4-in.,
10c.; runners, 2c. Must be moved at once
to make room. L. E. Gunter, 811 Kansas
St., Peoria, Ill.

Fern runners, fine stock Boston, Whit-
man, Amerpohl, Springfield, \$1.80 per
100, \$15.00 per 1000. Roosevelt runners,
very fine, \$6.00 per 100, \$50.00 per 1000.
Roosevelt, 4-inch, \$15.00 per 100, 5-inch,
\$25.00 per 100. Asparagus Plumosus, 4-
inch, handsome stock, \$8.00 per 100. 50,000
sq. ft. of glass at Cleveland, O., devoted
exclusively to ferns. I have the best stock
to be had anywhere. Prices are low, for
cash only. Schneider, Florist, Springfield,
O.

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M. Rice & Co., Philadelphia, Pa.
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Boston Florist Letter Co., 66 Pearl St.,
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FLORISTS' SUPPLIES

N. F. McCarthy & Co., 112 Arch St.,
Boston.
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M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
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Reed & Keller, 122 W. 25th St., New York.
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S. S. Pennock-Meehan Co., Philadelphia,
Pa.
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H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.
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Welch Bros. Co., 226 Devonshire St., Boston.
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FLOWER POTS.

W. H. Ernest, 28th and M Sts.,
Washington, D. C.
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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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FLOWER POT COVER

Every Ready Flower Pot Cover Co.,
Buffalo, N. Y.
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FUNGINE

Aphine Mfg. Co., Madison, N. J.
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GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
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Kervan Co., New York.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
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Elmer D. Smith & Co., Adrian, Mich.
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Geraniums, 2½ in. Nutt 2c. each, \$18.00
per 100. Roofed cuttings, Nutt, Poitevine,
White Swan, Grant and Ivy, \$12.00. Goss
& Goss, Falls Creek, Pa.

Geraniums, 2-in. Roseleur, Nutt, Dagata,
Ricard, Red Wing, Viand, La Favorite, Col.
Thomas, Mme. Jaulin, Mme. Bisquit, Per-
kins, Oberle, Lesdure, Landry, \$2.00 per
100; \$18.50 per 1000. Claire Frenot, Hill,
Dryden, Pamela, Mrs. Annie Vincent, Poite-
vine, Double Dryden, Atlantis, Luigi Gran-
dis, Docteur Danjou, \$3.00 per 100; \$25.00
per 1000. Send for geranium catalogue
F. H. De Witt & Co., Wooster, Ohio.

GLADIOLUS

John Lewis Childs, Flowerfield, N. Y.
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A. Henderson & Co., Chicago, Ill.
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Gladioli, fancy mixed, mostly light
shades, in sizes 1 to 1¼ in., \$6.00 per 1000;
¾ in. and less, \$3.00 per 1000. Bulblets,
50c. per quart. Large pkt. seed, 25c. H.
E. Meader, Dover, N. H.

America and Mrs. King bulblets 75c. per
1000; ½-inch and under, \$6.00 and \$5.00 re-
spectively. Pink Beauty (Van Tol) 10 days
earlier than America; the early flowers
bring the price, bulblets \$1.00 per 1000.
Prepaid. C. H. Ketcham, South Haven,
Mich.

GLASS

Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.
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Parshelsky Bros., inc., 215-217 Havermeier
St., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
Boston.
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King Construction Co., N. Tonawanda, N. Y.
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Frank Van Assche, Jersey City, N. J.
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Lord & Burnham Co.,
1133 Broadway, New York.
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Metropolitan Material Co., Brooklyn, N. Y.
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S. Jacobs & Sons, Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
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A. T. Stearns Lumber Co., Boston, Mass.
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Charles H. Dodd, Jersey City, N. J.
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Wm. H. Lutton, Jersey City, N. J.
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Frank Van Assche, Jersey City, N. J.
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Lord & Burnham Co.,
1133 Broadway, New York.
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Metropolitan Material Co., Brooklyn, N. Y.
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Pierson U-Bar Co., Madison Ave., New York.
Designer and Builder.

Hitchings & Co., 1170 Broadway, N. Y.

GUTTERS

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.
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King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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HANDY POT HANDLES

George B. Hart, Rochester, N. Y.
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HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange.
38 and 40 Broadway, Detroit, Mich.
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The Kervan Co., New York.
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HEATING APPARATUS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Chas. H. Dodd, Jersey City, N. J.
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Lord & Burnham Co.,
1133 Broadway, New York.
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HERBACEOUS PERENNIALS

Bay State Nurseries, No. Abington, Mass.
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E. S. Miller, Wading River, N. Y.
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P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Boblink & Atkins, Rutherford, N. J.
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HOSE

H. A. Dreer, Philadelphia, Pa.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Parshelsky Bros., Brooklyn, N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
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Lemon Oil Co., Baltimore, Md.
Standard Insecticide.
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Interstate Tobacco Co., New York, N. Y.
"Tip Top" Tobacco Powder.
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Benjamin Hammond, Fishkill-on-Hudson,
N. Y.
Slug Shot.
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JAPANESE LILIES

Loechner & Co., New York, N. Y.
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LEMON OIL

Lemon Oil Co., Baltimore, Md.
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LILY BULBS

R. & J. Farquhar & Co., Boston, Mass.
New Lilies.
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Jas. Vick's Sons, Rochester, N. Y.
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R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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In writing to Advertisers kindly mention Horticulture

LILY OF THE VALLEY

(Cold Storage)

F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.

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LILY OF THE VALLEY PIPSLochner & Co., New York, N. Y.
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Berlin Valley Pips.

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MARGUERITESMarguerite plants from 5½-inch pots,
best winter flowering variety; \$6.00 per
dozen plants. Peirce Bros., Waltham, Mass.Double Marguerite, Mrs. F. Sander, finest
spring and all summer bloomers,
strong plants, 2¼ inch pots, \$3.00 per 100.
H. A. Maxiner, Alexandria, Ind.**MASTICA**Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.**NURSERY STOCK**P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.W. & T. Smith Co., Geneva, N. Y.
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Hardy, Northern Grown Stock.
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Mass.

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P. Hamilton Goodsell, New York, N. Y.
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For page see List of Advertisers.August Rolker & Sons, 31 Barclay St., N. Y.
For page see List of Advertisers.Thomas Meehan & Sons, Phila., Pa.
English Manetti Stocks.Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.**SHRUBBERY.**There are bargains to be had here in
such varieties as Spireas, Altheas, Weigelas
and Philadelphus, and this names only a
few. We have acres of shrubs, well grown
and ready for you. Write for price list.
The Conard & Jones Company, West Grove,
Penna.**ONION SETS**Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.Schilder Bros., Chillicothe, O.
Onion Seed and Sets.

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ORCHID FLOWERSJas. McManus, New York, N. Y.
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For page see List of Advertisers.Julius Roehrs Co., Rutherford, N. J.
Hybrid Orchids.

For page see List of Advertisers.

Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.**ORCHID GROWERS' MANUAL.**By B. S. Williams, 300 illustrations, 800
pages; descriptions of upwards of 2500
species and varieties of orchidaceous
plants, etc. The most complete work on
Orchids and Orchid Culture ever pub-
lished. Price \$10.00.Orders filled by HORTICULTURE, 11
Hamilton Place, Boston.**PALMS, ETC.**A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.

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Bobbink & Atkins, Rutherford, N. J.
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For page see List of Advertisers.August Rolker & Son, 31 Barclay St., N. Y.
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For page see List of Advertisers.**PECKY CYPRESS BENCHES**A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.**PEONIES**Peonies. The world's greatest collection,
1200 sorts. Send for list. C. Betacher,
Canal Dover, O.**PETUNIAS**Henry A. Dreer, Inc., Phila., Pa.
Double Petunias.

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PIPE HANGERSKing Construction Co., N. Tonawanda,
N. Y.

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PLANT AND BULB IMPORTSAugust Rolker & Sons, New York, N. Y.
For page see List of Advertisers.McHutchison & Co., 17 Murray St., N. Y.
For page see List of Advertisers.**PLANT TRELLISES AND STAKES**Seele's Tieless Plant Stakes and Trellises.
H. D. Seele & Sons, Elkhart, Ind.Plant Trellises and Stakes. P. A. Angier
& Co., Westboro, Mass.**PLANT TUBS**H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

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PIPE AND FITTINGS

Kroeschell Bros. Co., 466 Erie St., Chicago.

POTASH

German Kali Works, New York, N. Y.

POT HANGERSPot hangers, Kramer's \$1 doz. by exp.
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.**PRIVET**Amoor River North: The hardiest privet
grown, 12 to 18 inch, \$2.00 100; 18 to 24
inch, \$3.00 100. Valdesian Nurseries, Bos-
tic, N. C.California Privet, well grown, 2-year-old
plants, from 12 inches to 3 feet; well fin-
ished plants, well graded and well packed.
Also one and two-year-old Ampelopsis
Vetehil. For prices and particulars ad-
dress Charles Black, Hightstown, N. J.**RAFFIA**McHutchison & Co., 17 Murray St., N. Y.
For page see List of Advertisers.**REFRIGERATORS FOR FLORISTS**McCray Refrigerator Co., Kendallville, Ind.
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For page see List of Advertisers.Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.**RIBBONS AND CHIFFONS**M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.**ROSES**Waban Rose Conservatories, Natick, Mass.
New Rose Mrs. Charles Russell.
For page see List of Advertisers.A. N. Pierson, Inc., Cromwell, Conn.
Rose Milady, Mrs. Chas. Russell, Mrs. Geo.
Shawyer.
For page see List of Advertisers.S. S. Skidelsky & Co., Phila., Pa.
For page see List of Advertisers.P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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For page see List of Advertisers.Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.Wood Bros., Fishkill, N. Y.
For page see List of Advertisers.**SEED GROWERS**Oklahoma Seed Growers Co., Enid, Okla.
For page see List of Advertisers.Leonard Seed Co., Chicago, Ill.
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Braslan Seed Growers Co., San Jose, Cal.

SEEDSJoseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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New Crop Florists' Flower Seeds.
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For page see List of Advertisers.J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
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Tomato Seed.
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SEEDS—Continued

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.

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Loechner & Co., New York, N. Y.
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T. J. Grey Co., 32 So. Market St., Boston.
Solanum Capsicastrum Melvinii.
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P. Hamilton Goodsell, New York, N. Y.
Grass Seed.
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S. D. Woodruff & Son, New York, N. Y.
Garden Seed.
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Oklahoma Seed Growers' Co., Enid, Okla.
Surplus List of Melon Seed.
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Beaulieu, Woodhaven, N. Y.
Importers of Best French Seeds.
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SEED PACKETS.

Brown Bag Filling Machine Co., Fitchburg, Mass.
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SLUG SHOT

B. Hammond, Fishkill-on-Hudson, N. Y.
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SPHAGNUM MOSS

J. H. Sprague, Barnegat, N. J.
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Sphagnum Moss, large bales. Green Moss in bbls. Laurel Bunches and Broken Laurel. James Day, Milford, N. H.

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPIREAS

Breck-Robinson Nursery Co., Lexington, Mass.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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O. V. Zangen, Hoboken, N. J.
Spirea Gladstone.
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STOVE PLANTS

Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

TIP TOP TOBACCO POWDER

Interstate Tobacco Co., Inc., 1397-1399 Ave. A, New York, N. Y.
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VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
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Quaker City Machine Works, Richmond, Ind.
20th Century Arm.
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VINCAS

Fine rooted vinca cuttings, 2 and 4 eyes, 65c. per 100; \$6.00 per 1000. Cash, please. Ready now. Engle Floral Co., Xenia, O.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heitscher's Wire Works, 88-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
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Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
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Welch Bros. Co., 226 Devonshire St.
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H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

Peter Reinberg, 37 Randolph St.
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Poehlmann Bros. Co., Morton Grove, Ill.
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J. A. Budlong, 37-39 Randolph St.
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Chicago Flower Growers' Association, 176 N. Michigan Ave.
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Chicago Carnation Co., 30 E. Randolph St.
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Hoerber Bros., Chicago, Ill.
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Cincinnati, Ohio

The J. M. McCullough's Sons Co., 316 Walnut St.
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Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
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Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
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New York

M. C. Ford, 121 W. 28th St., New York.
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H. E. Froment, 57 W. 28th St., New York.
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E. C. Horan, 55 W. 28th St., New York.
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James McManus, 105 W. 28th St., New York.
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W. F. Sheridan, 133 W. 28th St., New York.
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Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
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Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.
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Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
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Charles Millang, 55 and 57 West 26th St.
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P. J. Smith, 49 West 28th St., N. Y.
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W. P. Ford, New York.
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Traendly & Schneck, New York, N. Y.
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The S. S. Pennock-Meehan Co., 117 West 28th St.
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Frank Millang, 55-57 West 26th St.
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Badgley, Riedel & Meyer, Inc., New York.
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WHOLESALE FLORISTS

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Henry M. Robinson Co., New York, N. Y.
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J. K. Allen, New York, N. Y.
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Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
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The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.
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Rochester

George B. Hart, 24 Stone St.
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Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
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New Offers in This Issue**ASTER SEED.**

Fottler, Fiske, Rawson Co., Boston, Mass.
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BURPEE ANNUAL, BURPEE BLUE LIST AND RED LIST.

W. Atlee Burpee & Co., Phila., Pa.
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FRESHLY IMPORTED FLOWER SEEDS.

Wm. Elliott & Son, New York, N. Y.
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GLADIOLUS NIAGARA.

John Lewis Childs, Flowerfield, N. Y.
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POINSETTIAS.

S. S. Pennock-Meehan Co., Phila., Pa.
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SEEDS FOR EARLY SOWING.

W. W. Barnard Co., Chicago, Ill.
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HORTICULTURAL LECTURES.

The program of the annual winter course of lectures by the Massachusetts Horticultural Society is as follows:

January 4.—The Problems of the Commercial Fruit Grower, by G. A. Drew, Greenwich, Conn.

January 11.—Planting Fruit Trees Propagated from Strains of Known Worth, by Samuel Fraser, Geneseo, N. Y.

February 1.—Factors Influencing the Formation of Fruit Buds in Apple Trees, by Prof. B. S. Pickett, Urbana, Ill.

February 8.—Adaptation of Local-Grown Seed to Local Conditions, by William W. Tracy, Washington.

February 15.—Landscape Arrangement of Public Parks and Private Grounds with Stereopticon Illustrations, by Arthur A. Shurtleff, Boston.

March 1.—The Diseases of the Violet, by Dr. Donald Reddick, Ithaca, N. Y.

March 8.—The Gladiolus and Its Culture, by B. Hammond Tracy, Wenham.

March 22.—Fertilizer Problems of the Orchard and Garden, by Dr. H. J. Wheeler, Boston.

March 29.—Lecture on Plant or Flower Culture, speaker to be announced.

The lectures are free and will be given at Horticultural Hall, Boston, on Saturday afternoon, at 2 o'clock.

In writing to Advertisers kindly mention Horticulture

THE MISSION OF THE NURSERYMAN.

Paper read by C. S. Harrison of York, Neb., at the annual meeting of the Minnesota Horticultural Society in Minneapolis, Dec. 3, 1912.

Ours is the most ancient and honorable of all the callings. Our first parents were put in the Garden of Eden "to dress it and keep it." All went well till they got to stealing apples, when they lost their place. The moral of this is, the nurseryman must be honest.

What wonders have been accomplished by our horticulturists. They found bleak and wind-swept prairies and they have transformed them. Groves, orchards and windbreaks have testified to their enterprise and persistence.

There is something in the business, however, besides chasing the dollar. The nurseryman should be a teacher. Too often he lets Tom, Dick and Harry carry on his business and he does not raise what they do not call for. The average man does not know much about floriculture and horticulture. He needs information. The horticulturist should give it. He should himself be the kite and not the mere tail of the kite. New things of great merit come out but you cannot get him to touch them. It is his business to make a call. That is what he is for. He has no right to degrade his calling by keeping everlastingly in the ruts. We have passed the pioneer stage and now comes the period of home adornment. Our slogan should be "Beauty is wealth;" raise a lot of it and be rich.

The average farmer knows little of the beautiful things which embellish the home. He needs information and you should give it. It is the province of the horticultural and agricultural papers to enter on a campaign of publicity and give wide information to these things. It is easy to understand the value of beauty. You build a house like a barn and nobody wants it. Make it a poem in architecture and everybody wants it. I saw a team of beautiful chestnut horses at Bennington, Vt., which cost \$40,000. Of course \$39,000 was for beauty and style. Perhaps for \$300 you could have gotten a team of plugs which could go as far in a day as they could. Your shorthorns, beautiful and symmetrical in form as if laid out with a square and compass are worth ten times as much as scrubs of the same weight. A farm, beautifully adorned with an ideal front yard is worth far more than the yard which is a hospital for sick pigs and disabled machinery.

Horticulture is in a transition state. Nurserymen find themselves stocked up with millions of apple trees they can't sell. The great Stark Company have dissolved and one of them is going into ornamentals on a large scale. Sooner or later you must come to it. You people of the northern states do not realize your condition. There are compensations for your long, cold winters. Spring comes and the whole land awakes to a beauty unknown elsewhere. California cannot compare with Minnesota in the beauty and fragrance of her flowers. Peonies cannot grow there and what marvelous displays they give you at your summer meetings! We must hammer along the lines of the development of our

SOLANUM CAPSICASTRUM MELVINI



A MONEY MAKER FOR THE HOLIDAYS

(Introduced by us last season)

Dwarf, bushy plants, 12 to 15 inches high, covered with brilliant scarlet, conical shaped berries, carried well above the foliage.

AWARDED

Silver Medal by Society of American Florists.
Bronze Medal by Newport Hort. Society.

First Class Certificate by Mass. Hort. Society.

First Class Certificate by Gardeners' and Florists' Club of Boston.

First Class Certificate by National Gardeners' Association.

Sow Seeds in Jan. or Feb. for next Christmas.

Single pkt. 25c. 5 pkts. \$1.00
10 pkts. \$1.50 100 pkts. \$12.50

ORDER NOW AS SEED IS LIMITED

THOMAS J. GREY CO.

32 South Market St., Boston, Mass.

The Writerpress

Typewrites your circular letters, fills in a different name and address, and addresses the envelope, as well as your facsimile signature in a different color, at the one operation.

The Writerpress prints from type and your stock electros in ink, for your catalogue and office forms

Send for catalogue and information to

EDWARD A. HART

SALES AGENT

294 Washington Street

Suite 349

BOSTON, MASS.

perennials. I repeat if there are no calls, make them.

A few years ago we had a splendid lot of peonies. No call for them. "They are the old ill-smelling 'pinys' our grandmothers raised." Your speaker was the first to publish a peony manual, the first in any language. The first edition cost \$75. A man in Minneapolis borrowed a copy and bought \$150 worth of peonies. A lady in Topeka read one and bought \$25 worth. We were just closing business in the fall when an order came for \$200 worth. The first edition went and we issued another. We raise a good many but this year we had to buy about \$1,500 worth. One year we purchased \$1,600 worth besides what we could raise. You must enter upon a campaign of publicity.

Here is the coming flower, the iris. You speak of it and you are met with objection, "Oh, it is nothing but the 'flag' which grew in the swamp down east." People know nothing about this resplendent flower, named from the goddess Iris, the rainbow personified. She took all the prismatic tints of the rainbow and wove them in garments of splendor for her child.

I have been to California, the land of flowers; to Rochester, the garden of America. I have visited the estates

of the rich in the east, and have been in the finest parks, but I never saw anywhere so much beauty, splendor and loveliness as people saw in our iris garden. They are the finest drought resisters we have. Last season we had but six inches of rain in five months. It was awful. Dry with hot winds blowing like the blast of death, but we did not lose an iris. Last winter will long be remembered for its terrible cold and fearful storms, yet not an iris died, though unprotected. By a careful selection they will bloom nearly two months. They are ideal flowers for the town and farm. They are cheap. They multiply about ten in two years. I get letters from nurserymen "they are fine but there is no call for them." Then make a call; it is your business. There is more money in them than anything else you can handle.

We want publicity. It is time for our editors to help along. Too often you send in an article on home adornment or give them a description of some worthy flower and the article comes back to you "no call for it." Plenty of room for the barn-yard but no space for the front-yard. I took an article to an editor once and he shook his head, "I see this is a blind ad. You ought to get \$100 worth

from it." Said I, "You publish it and I will give you a paid ad. besides and I will give you every cent of what I sell from both." He accepted. I never got even a nibble. Why? It takes a good deal of pounding to break the ice.

I placed an ad. in our leading agricultural paper. It cost \$250. I got one lonely \$8 sale from it. In another prominent paper I put \$300 and got \$30 out of it. Why? People were not familiar with the stock advertised. The editors were too fearful of blind ads. to give space for needed articles. Did I send any more ads. to these papers? Nay verily, and I will not until they get their eyes open. They, by their narrow policy are killing the fabled goose. On the other things they are all right. Take the hen. How they have magnified and glorified her, and made a queen of her. Take up any agricultural paper and column follows column. There is line upon line iteration and reiteration. Direction following direction till the wonder is how the poor hen gets a chance to lay an egg. But she does and the more she lays the higher the price. And the proud rooster from early morn till dewy eve sounds the praises of his harem. And the editor turns in and crows to beat the rooster and then cackles to beat the hen. What tons upon tons of literature the hen gets! What a pity that just a little of the attention and affection given her could not be transferred to these queens of loveliness, the peony, the iris, the phlox and the columbine!

Our editors have added millions of dollars to our dairy interests by showing the difference between poor and good cows. Two farmers live side by side. One keeps twenty cows, the other has only eight, but he sells more milk and butter than the other. The queens of the dairy have come to the front. They and their progeny bring fabulous prices because they are worth it. We need the same attention the cattle receive. It will pay. Millions of dollars are held in abeyance for lack of information. Besides our ornamental shrubs and perennials there are two trees which are going to push their way to the front. They are the Japanese and Chinese tree lilacs. They are trees. They bloom in June. I like the Chinese the best. There is one in front of my house, sixteen years old from seed, which is seven inches through a foot from the ground and twenty feet tall. It was flooded with a great mass of snowy white, honey-scented flowers. Thousands of seedlings are now being offered at \$5 per hundred but the reply comes "no call for them."

The nurseryman should help along the advancing wave which is surely coming. He should buy and plant hardy things of real merit and get acquainted with them and have his agents understand them also. He should insist that papers that carry his ads. should enter on a campaign of publicity and give the front yard as good a show as they do the barn-yard.

Imp Soap Spray

Effective one to thirty-two.
Single gallons, \$1.50

Eastern Chemical Company
BOSTON



You'll Find WIZARD BRAND MANURE

mighty convenient and valuable to you during the next few months.

Bad weather makes the rough manure pile a nasty as well as expensive source to depend on.

Wizard Brand Sheep or Cattle Manure, pulverized or shredded, in 100 lb. bags, but takes but little room in your store house and you are prepared for any emergency or need.

Think it over. Get your order in right away and be on the safe side. Specify Wizard Brand to your supply house, or we ship direct promptly.

THE PULVERIZED MANURE COMPANY

31 UNION STOCK YARDS, CHICAGO



SLUG-SHOT

USED FROM OCEAN TO OCEAN FOR 29 YEARS.

Sold by Seed Dealers of America.

Saves Currants, Potatoes, Cabbage, Melons, Flowers, Trees and Shrubs from Insects. Put up in popular packages at popular prices. Write for free pamphlet on Buds and Blights, etc., to B. HAMMOND, Fishkill-on-Hudson, New York.



Guaranteed under the Insecticide Act, 1910. Serial No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, etc. without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/4 Pint - - 25c; Pint - - 40c; Quart - - 75c
1/2 Gallon, \$1.25; Gallon, \$2.00; 5 Gallon Can, \$9
10 Gallon Can - - \$17.50

Dilute with water 30 to 50 parts

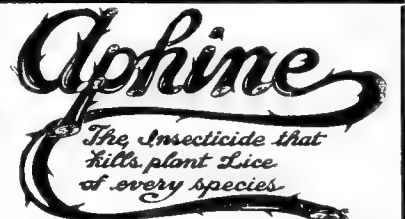
For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct

Lemon Oil Company Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package



The Recognized Standard Insecticide.

Not a cure-all but a specific remedy for all sap sucking insects infesting plant life such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Unlike Bordeaux and lime and sulphur it does not stain the foliage but cleanses it.

VERMINE

A soil sterilizer and vermicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used one part to 400 parts water. It does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN.

Aphine Manufacturing Co., Madison, N. J.

Manufacturers of Agricultural Chemicals

M. C. EBEL, General Manager.

Green Flies and Black Flies Too are easy to kill with

"TIP-TOP" BRAND

Tobacco Powder

For fumigating or dusting. \$3.00 per bag, 100 lbs. Write for free samples. Money with order.

Interstate Tobacco Co., Inc.

1397-1399 Ave. A, NEW YORK

Money refunded if not satisfied. Beware of imitations. Territory open for live jobbers. Write for prices.

Cocoonat Fibre Soil

Trees mulched with this article will grow larger fruit, better color, and ripen more uniformly than by any other means. We have proved it.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST.,

BEVERLY, MASS.

In ordering goods please add "I saw it in 'HORTICULTURE'."

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS

Pearson Street
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS
A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

OUT OF THE GINGER JAR.

One of our delightful daily experiences is to be decorated with white heather and violets for our morning stroll down Chestnut street. This usually happens at 1514 where Liddon Pennock, Bart Cartledge and Charles Kahlert hold sway. They love to do it and say: "there you are—violets blue, for the true love true; white heather for the good luck and the purity; if you don't get some good orders now, George, there's something wrong with those grass seed men!" But I never have the courage to put it up to the grass seed men that way. "Samples, samples, samples; let's see them! We are business men!" No time to listen to a pleasant story or whiff of my heather and violets. I'm a business man too; but I really do wish the fragrance of things—the glorious morning and the sunshine—would illumine my melancholy compeers.

Count Burpee out of the foregoing paragraph. No man who is capable of producing the poetry of produce like Burpee in his latest book, should be classed in the melancholy clan. On the contrary, we consider him one of the greatest of poets. We have all heard the same truths about seeds before, but never in the same mellifluous language. He is a genius with the gift of telling a common thing in such a way as to make you sit up and take notice and sit down delighted. So different from the Watts doctrine:

"My thoughts on awful subjects dwell,
Damnation and the dead of hell!"

—Watts 247.

G. C. WATSON

OBITUARY.

Mrs. F. E. Blair.

Mrs. F. E. Blair, formerly a florist of Big Rapids, Mich., died in Indianapolis, Ind., on December 4. About ten years ago she sold her florist business to H. M. Larson and moved to Ann Arbor. She had been an invalid for a number of years.

P. F. Williams.

P. F. Williams of Opelika Floral Co., Opelika Ala., and professor of horticulture of the Alabama Polytechnic Institute, at Auburn, Ala., died on December 5. He was born in Massachusetts and was a graduate of the Massachusetts Agricultural College. He was considered an authority on nut growing.

GREENHOUSES BUILDING OR CONTEMPLATED.

Lebanon, Pa.—C. T. Yost, 154 Rise block, two houses.

Springfield, Ohio—A. F. Shannon, 210 East Park street, house 22x70.

Grand Rapids, Mich.—H. W. Allersam, Benjamin Avenue Nursery, one house.

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.

HELP WANTED

STOREMAN, able to take charge and make up. Must have references as to honesty and sobriety. Steady job. Address, stating wages expected, etc., H. W., care HORTICULTURE.

SITUATIONS WANTED

SITUATION WANTED by young man well trained in bedding plant and general retail florist business. Is good designer. Aged 23. Not married. Prefers New England territory. E. W., care HORTICULTURE.

FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

DURING RECESS.

Cook County (Ill.) Bowling League
Scores, December 18, 1912.

CARNATIONS.		ROSES.	
Lorman,	139 166 159	Goerisch,	166 148 158
L'berm'n,	117 120 103	Casey,	166 171 210
Armst'g,	121 94 108	Vilters,	106 157 112
A. Zech,	134 157 193	Byers,	198 194 163
ORCHIDS.		VIOLETS.	
Farley,	148 168 163	A. H'b'n'r,	149 172 154
W. Graff,	188 180 198	Jacobs,	178 156 134
J. Noel,	116 137 148	Schultz,	160 162 164
J. Zech,	145 178 138	J. H'b'n'r,	166 135 144

The attendance was small, owing to the extra work for Christmas. There will be no bowling next week.

CATALOGUES RECEIVED.

Whilldin Pottery Company, Phila., Pa.—Illustrated Price List of Flower Pots.

Freeman Orchid Company, Fall River, Mass.—Annual Catalogue, 1912-1913.

W. Atlee Burpee & Co., Phila., Pa.—Advance Wholesale Seed Prices for 1913; for the trade only.

Archias' Seed Store, Sedalia, Mo.—Fall Catalogue 1912. Seeds, plants, trees, bulbs, birds, gold fish, etc., etc.

Andorra Nurseries, Chestnut Hill, Phila., Pa. Wholesale Price List of Specimen Trees and Shrubs, Fall, 1912.

Bergenfield Nurseries, Thos. W. Head, proprietor, Bergenfield, N. J.—Preliminary List of Novelties and General Stock for 1913. Included in this excellent list are dahlias, chrysanthemums, carnations, phlox, poppies and iris as specialties.

1000 READY PACKED CRATES STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1 1/4 in.	@ \$6.00	500 1 in.	@ \$4.50
1500 2 "	" 4.88	456 4 1/2 "	" 5.24
1500 2 1/4 "	" 5.25	320 5 "	" 4.51
1500 2 1/2 "	" 6.00	210 5 1/2 "	" 3.78
1000 3 "	" 5.00	144 6 "	" 3.16
800 3 1/2 "	" 5.80	120 7 "	" 4.20
		60 8 "	" 3.00

HILFINGER BROS., Pottery, Fort Edward, N. Y.
August Roiker & Sons, 31 Barclay St., N. Y. City, Agents

OUR SPECIALTY—Long Distance and export trade

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts. Washington, D. C.

Syracuse Red Pots

With new and improved machinery, we can supply your wants to better advantage than ever.

Special discounts on large orders.
Syracuse Pottery Co., SYRACUSE, N. Y.

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Send your business direct to Washington.
Saves time and insures better service.
Personal attention guaranteed.
Thirty years active service.

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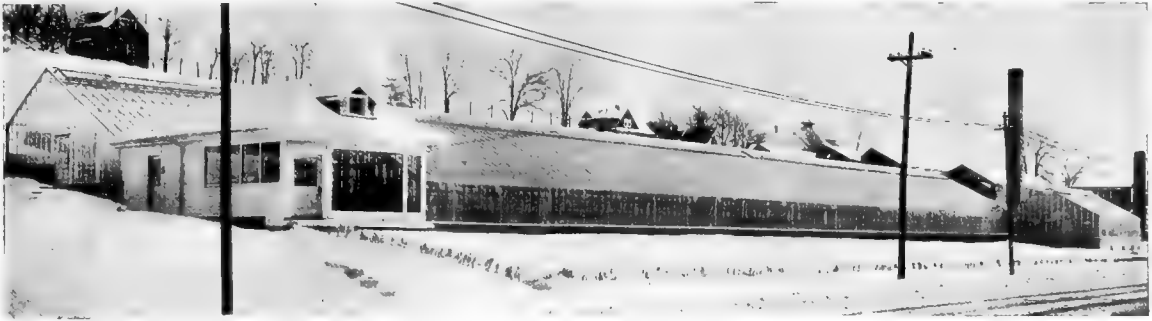
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Greenhouse Materials FURNISHED AND ERECTED IRON or WOOD SASH BARS

In all lengths up to 32 feet.
Milled to any detail furnished or will furnish details and cut materials ready for erection.

Frank Van Assche, Fulton Ave., Rose Ave.
and Dwight Street
JERSEY CITY, N. J.



A NEAT SIDE HILL RANGE AT BRIGHTON, MASS.

Mr. C. E. Holbrow is very proud of it
LET US DO AS WELL FOR YOU. WE HAVE THE ABILITY AND
DESIRE TO SATISFY YOU AND THAT MAKES SATISFACTION SURE

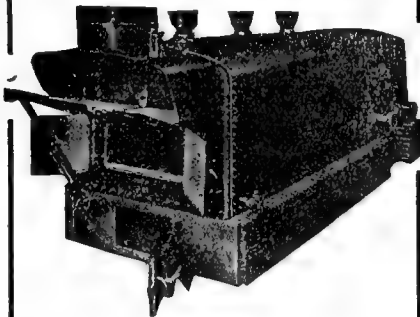
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SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

GLASS

for GREENHOUSE and HOT BED
SASHES. Our prices can be had by
mail, and it will pay you to get them.
We carry the largest stock of Specially
Selected Glass in Greater New York and
can supply any quantity from a box to
a car load on a one day notice, and at
Rock Bottom Prices.

PARSHELSKY BROS. Inc.
215-217 Havemeyer St., Brooklyn, N. Y.

ADVANCE VENTILATING EQUIPMENT



Now that the Christ-
mas rush is over, you
will have more time to
think of any way to im-
prove your greenhouse.
Is your ventilating equip-
ment satisfactory? If not,
now is the time to place
your order for something
good. Our Advance Line
is something out of the
ordinary and never fails
to give entire satisfaction.
We guarantee it.

Be sure to get one of our new
catalogs. It is free to you.

ADVANCE CO., - Richmond, Ind.

CHARLES H. DODD

Greenhouse Builder, General Greenhouse
Mechanic,
Iron Frame and Wood Bar Houses.
Ideal Greenhouse Boilers.
Materials Furnished or Erected. Heating
and Ventilating Materials

578 Ocean Ave., JERSEY CITY, N. J.

THE FLORISTS' HAIL ASSOCIATION OF
AMERICA, insurer of 32,500,000 sq. ft. of glass
for particulars address

John G. Esler, Sec'y Saddle River, N.J.

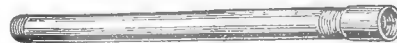
METROPOLITAN MATERIAL CO.

PATENTED

Greenhouse Boilers and
Construction Material

Please Send for Catalogue
and Prices.

1392-1414 METROPOLITAN AVE.
BROOKLYN, N. Y.



WROUGHT IRON PIPE FOR SALE

Rethreaded, thoroughly overhauled, in ran-
dom lengths, guaranteed free from
splints or holes.

It will pay you to communicate with us

ALBERT & DAVIDSON

217-22 Union Avenue

Brooklyn, N. Y.

Dreer's Peerless Glazing Points

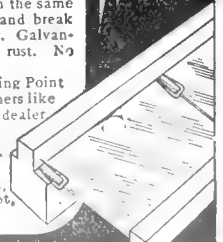
For Greenhouses

Drive easy and true, because
both bevels are on the same
side. Can't twist and break
the glass in driving. Galvan-
ized and will not rust. No
rights or lefts.

The Peerless Glazing Point
is patented. No others like
it. Order from your dealer
or direct from us.

1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No. 2



Evans 20th Century Arm

Will not twist the shafting pipe. Three
times the power of old style elbow arms.
Sold only with Evans Challenge Machine.

Write for free Catalogue to

QUAKER CITY MACHINE CO.
Richmond, Ind.





AT Haverford, a suburb of Philadelphia, Mr. T. P. Hunter has a palatial manor house with grounds in perfect keeping. Here is a glimpse showing the greenhouses and the prominent location given them. Joseph Hurley is the gardener. The illustration shows what an expert he is. Always glad to send our friends and would-be customers our catalog.

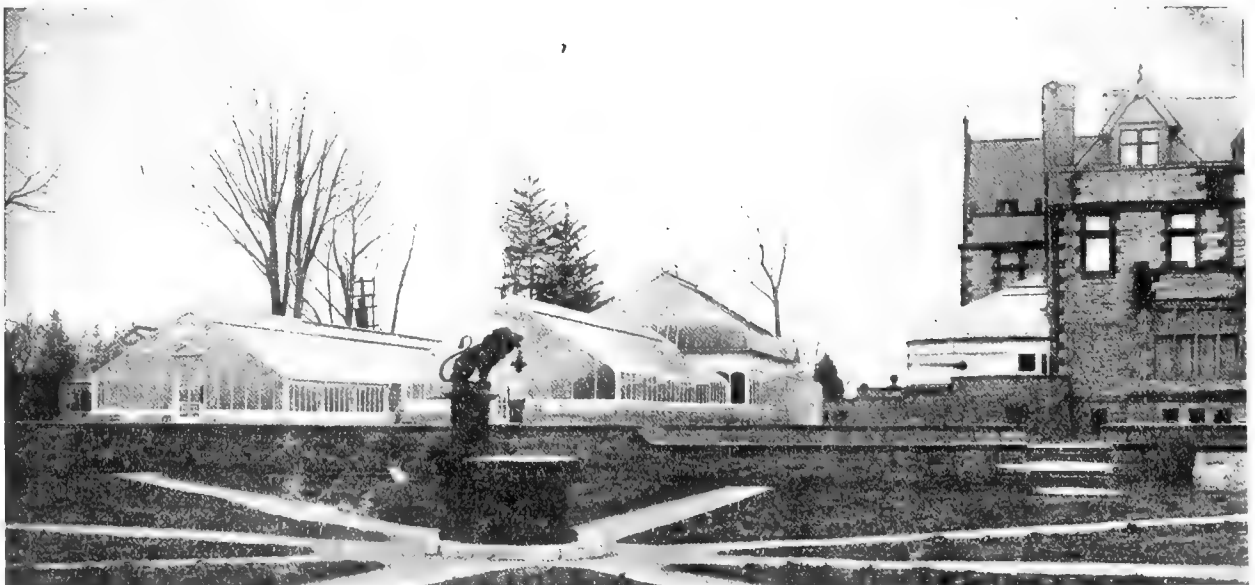
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ERECTED AT IRVINGTON-ON-HUDSON, N. Y.

ANOTHER one of our splendid **CURVED EAVE HOUSES**. The owner of this beautiful Hudson River Estate instructed us to remove a house that was built by another concern and erect our **PATENT CONSTRUCTION** in its place. You will note that we placed the old section of house on the left. The owner now feels satisfied that in winter weather the view from the library windows will be more pleasing, as it always annoyed him to see the old house covered with ice and snow at the eave line. The **LUTTON CONSTRUCTION** will not retain any ice or snow and the house is just one big bubble of light. Do you wonder why it is that we erect such a large amount of glass each year, and on some of the largest private estates and public parks throughout the country.

WILLIAM H. LUTTON, DESIGNER AND BUILDER West Side Ave. Station, Jersey City, N. J.



3 5185 00256 8846

